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ABSTRACT

In April 1998, Missouri's Coordinating Board for Higher Education established basic indicators against which outcomes of the state's investments in postsecondary technical education are measured. One year later, the Coordinating Board approved a set of performance measures to be used to guide research on the results of Missouri's postsecondary technical education initiatives. The approved performance measures are designed to help answer the question: "To what extent is the investment of state aid in new and expanded postsecondary technical education programs making a significant difference in the workforce development system in Missouri?" Report highlights include: (1) Since 1996, 100 new targeted certificate and Associate of Applied Science (AAS)/Associate of Science (AS) technical degree programs have been added to the program inventory; (2) In 2000, the number of public high school graduates going to college and enrolling in targeted postsecondary programs totaled 1,157, up 22% since fiscal year (FY) 1996; (3) From FY 1997 (year 1) through FY 2000 (year 4), a cumulative total of 1,448 students graduated from targeted 1- and 2-year technical certificate programs and 3,700 from targeted AAS/AS degree programs; (4) By FY 2000, 12 two- and four-year institutions had working partnerships with 204 different labor union apprenticeship training schools in Missouri. The report finds that the quality of targeted technical programs has improved. (NB)

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State Plan for Postsecondary Vocational Technical Education: 2001 Report on Progress Toward the Statewide Public Policy Initiative and Goals for Missouri Postsecondary Technical Education

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State Plan for Postsecondary Vocational Technical Education

EXECUTIVE SUMMARY

2001 Report on
Progress Toward the Statewide Public Policy Initiatives and Goals
for Missouri Postsecondary Technical Education

This report describes the results and accomplishments of three years of Regional Technical Education Council planning initiatives of the statewide goals established for Missouri higher education in 1996 by the Coordinating Board for Higher Education that are incorporated in the board's State Plan for Postsecondary Technical Education. Much has been accomplished, and substantial progress has been made in improving the state's ability to deliver education and training opportunities to the residents in the service regions of Missouri's public two-year institutions. This report also presents the progress of the state's two-year and selected four-year public institutions in meeting the challenges of enhancing education and training services in postsecondary technical education.

The following narrative and tables in this annual report lead with FY 1995 and FY 1996 baseline data, and through comparative descriptions, describe the respective institution's involvement in the state's investment in postsecondary technical education. The tables further detail significant results and accomplishments, indicate trends in progress, and in some cases project future activities from FY 1998 through FY 2001. These data were provided through individual institutions' annual RTEC reports, and were subsequently compiled and analyzed in the aggregate by CBHE staff. Data elements were established with the Coordinating Board's April 1999 approval of the Missouri public two-year accountability measures for postsecondary technical education, which follows.

As the state's system of higher education transitions through the challenges of implementing a successful postsecondary technical education and training system for the state's workforce, access to the state's system of higher education must be continually examined in terms of financial, geographic, and programmatic access to learning success, and higher earnings success. A continued commitment to and examination of the quality of teaching and learning environments must be made. Finally, Missourians need to be assured that the efficiency of the state's delivery of postsecondary technical education is performance-based, maximizes the impact of funding and sharing of resources, and minimizes the unnecessary duplication of resources.

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INTRODUCTION

In 1995, Senate Bill 101 of the Missouri General Assembly directed the Coordinating Board for Higher Education to work in cooperation with the State Board of Education to implement a comprehensive system of postsecondary technical education throughout Missouri. The following year, the Coordinating Board developed the *State Plan for Postsecondary Technical Education*, a collaborative, five-year funding plan for the statewide implementation of a system that trains highly-skilled technicians to enter Missouri's industries.

The state plan calls for the strengthening of existing and the development of new associate of applied science (AAS) degree and technical certificate programs at two-year colleges, and related baccalaureate degrees at certain four-year institutions. It also designates the community colleges as the primary providers of postsecondary technical education at the AAS degree-level, and Linn State Technical College as the statewide provider of highly specialized technical education. In addition, the plan calls on Southwest Missouri State University-West Plains for postsecondary technical education, and Central Missouri State University, Southeast Missouri State University, Missouri Western State College, and University of Missouri-Rolla for bachelor's degrees in engineering and engineering technologies.

In April 1998, the Coordinating Board for Higher Education established baseline indicators against which outcomes of the state's investments in postsecondary technical education are measured. A year later, in April 1999, the Coordinating Board approved a set of performance measures to be used to guide research on the results of Missouri's postsecondary technical education initiatives. The approved performance measures are designed to help answer the question: "To what extent is the investment of state aid in new and expanded postsecondary technical education programs making a significant difference in the workforce development system in Missouri?"

Since its beginning, the funding plan to implement the *State Plan for Postsecondary Technical Education* has been set at $25 million, and the governor and General Assembly have generously supported this request. A history of state general revenues appropriated toward postsecondary technical education is available in Appendix 2.

A summary of the results and accomplishments of the state's investment in postsecondary technical education was presented at the April 1999 Coordinating Board meeting. The agenda item summary follows on page 4.

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SUMMARY OF THE FINDINGS

2001 Report on
Progress Toward the Statewide Public Policy Initiatives and Goals
for Missouri Postsecondary Technical Education

This report describes the results and accomplishments of three years of Regional Technical Education Council planning initiatives of the statewide goals established for Missouri higher education in 1996 by the Coordinating Board for Higher Education that are incorporated in the board's *State Plan for Postsecondary Technical Education*. Much has been accomplished, and substantial progress has been made in improving the state's ability to deliver education and training opportunities to the residents in the service regions of Missouri's public two-year institutions. This report also presents the progress of the state's two-year and selected four-year public institutions in meeting the challenges of enhancing education and training services in postsecondary technical education.

The following narrative and tables in this annual report lead with FY 1995 and FY 1996 baseline data, and through comparative descriptions, describe the respective institution's involvement in the state's investment in postsecondary technical education. The tables further detail significant results and accomplishments, indicate trends in progress, and in some cases project future activities from FY 1998 through FY 2001. These data were provided through individual institutions' annual RTEC reports, and were subsequently compiled and analyzed in the aggregate by CBHE staff. Data elements were established with the Coordinating Board's April 1999 approval of the Missouri public two-year accountability measures for postsecondary technical education, which follows.

As the state's system of higher education transitions through the challenges of implementing a successful postsecondary technical education and training system for the state's workforce, **access** to the state's system of higher education must be continually examined in terms of financial, geographic, and programmatic access to learning success, and higher earnings success. A continued commitment to and examination of the **quality** of teaching and learning environments must be made. Finally, Missourians need to be assured that the **efficiency** of the state's delivery of postsecondary technical education is performance-based, maximizes the impact of funding and sharing of resources, and minimizes the unnecessary duplication of resources.

AGENDA ITEM

Results of the State Plan for Postsecondary Technical Education
Coordinating Board for Higher Education
April 12, 2001

DESCRIPTION

This agenda item provides a progress report on the results and accomplishments from the state's investments in postsecondary technical education since implementing *The State Plan for Postsecondary Technical Education* in July 1996. At the April 1998 board meeting, a similar agenda item provided baseline indicators that continue to be measured through the board's data collection and research analysis process. This report describes evolving and important trends associated with postsecondary technical education since April 1998.

Performance and Outcome Measures

Section 178.637(2), RSMo, as adapted in *The State Plan for Postsecondary Technical Education,* requires that the Coordinating Board monitor the successes and outcomes of the state's system of postsecondary technical education. At the April 1999 meeting, the board approved a set of performance measures for monitoring the role of the state's community colleges and Linn State Technical College in meeting the board's goals for *The State Plan for Postsecondary Technical Education* initiatives. These measures collectively assess the extent the investment of state aid in targeted new and expanded postsecondary technical programs are making a significant difference in the workforce development system of Missouri. Targeted technical programs are related to computer information systems technologies, engineering-related technologies, advanced health technologies, mechanic and repairer technologies, precision production trades, and science technologies, all which lead to certificate, AAS/AS, and technology bachelor's degrees.

The board's performance measures and desired outcome statements are attached to this Agenda Item Summary. The following questions provide a context for assessing the progress being made in postsecondary technical education:

1. Has geographic and programmatic access to Missouri's targeted technical education programs increased?
2. Has targeted technical program productivity improved through increases in student participation, graduation, and job placement?
3. Have targeted program graduates achieved financially rewarding job placement and wages?
4. Has the quality of targeted technical programs improved?

1. Has geographic and programmatic access to Missouri's targeted technical education programs increased?

Geographic and programmatic access has increased based on the following results:

- Communities serving as face-to-face classroom access points have increased to a total of 67; up from 17 in baseline FY 1996;

- Since baseline FY 1996, 100 new targeted certificate and AAS/AS technical degree programs have been added to the program inventory to total 357 programs, while selected public four-year institutions have added 12 bachelor's, and 11 master's degree programs, and one doctoral degree program in targeted technical fields.

- From relatively few instructional partnerships in FY 1997 (year one), all 57 AVTSs now have 525 articulation agreements between AVTS secondary and adult programs, and two- and four-year institutions that deliver targeted postsecondary technical programs;

- Contracted partnerships and well-established articulation agreements between private career (proprietary) schools and targeted postsecondary technical programs have produced only six (6) since FY 1997 (year one);

- With as few as four public baccalaureate degree institutions and 22 articulation agreements in FY 1997 (year one), all two-year institutions now have 157 articulation agreements between targeted two-year AAS/AS degree programs and public baccalaureate technology degree programs among 25 Missouri and three Kansas and Iowa four-year institutions;

- Missouri communities serving as two-year college ITV connectivity points have increased from approximately a dozen in FY 1997 (year one) to a total of 81 AVTSs, comprehensive high schools, and four-year locations; and

- Targeted programs delivered via instructional television (ITV) networks were non-existent in FY 1997 (year one), however by FY 2000 a total 25 ITV courses served 151 duplicated students.

2. Has targeted technical program productivity improved through increases in student participation, graduation, and job placement?

The productivity of targeted technical programs has improved based on the following data:

- The number of 2000 Missouri public high school graduates going to college and enrolling in targeted postsecondary technical programs totaled 1,157, which is up 22 percent since FY 1996 (second baseline year). This 1,157 figure compares to an average of 25,000 Missouri high school graduates who attend college at a public two- or four-year institution;

- Compared to FY 1999 (year three), the number completing coursework in targeted technical programs, at both on- and off-campus sites was steady at 11,396, however this figure is up 39 percent from FY 1995 (first baseline year);

- Compared to baseline FY 1995, current enrollment numbers have increased in computer information systems (63 percent), engineering related technologies (18 percent), mechanics and repairer technologies (263 percent), and precision production trades (35 percent);

- FY 2000 (year four) duplicated enrollments at the identified off-campus sites totaled 3,205, which is up from 2,260 (20.4 percent) enrollments in FY 1999 (year three), and up 156 percent since FY 1997 (year one);

- Since FY 1997 (year one), an estimated cumulative total of 2,800 unduplicated citizens residing outside the taxing districts of community colleges, have taken advantage of coursework leading to new and upgraded skills in targeted technical areas; and

- From the beginning of FY 1997 (year one) through FY 2000 (year four), a cumulative total of 1,448 students have graduated from targeted one- and two-year technical certificates; and 3,700 from targeted AAS/AS degree programs.

3. Have targeted program graduates achieved financially rewarding job placement and wages?

Students graduating from targeted technical programs have achieved financially rewarding job placement and wages based on the following data:

- Of a sample of 1,341 students graduating during FY 1999 (year three) from targeted technical certificate and AS/AAS degree programs, 74.6 percent reported that they found jobs relating directly to their field of technical training, or pursued additional education in the same field, which is about the same (73.9 percent) as other non-technical vocational graduates.

- Targeted technical program graduates generally earn wages that are higher than the median wages of non-technical graduates from Missouri's public institutions. Technical certificate graduates from FY 1998 (year two) earned $25,723 in median wages compared to $21,328 (N=719) for non-technical certificate graduates. Technical AAS degree graduates from FY 1998 earned $26,802 in median wages compared to $22,448 (N=2,789) for non-technical AAS degree graduates. At the baccalaureate degree level, those FY 1998 graduates receiving technology-related bachelor's degrees (engineering degrees were not included) earned $36,831 in median wages compared to $24,476 (N=8,130) for graduates in other non-technical fields; and

4. Has the quality of targeted technical programs improved?

The quality of targeted technical programs is generally improving based on the following data:

- In FY 2000 (year four) the state's 12 Regional Technical Education Councils (RTECs) listed a total membership of nearly 562 constituents, including 194 (35 percent) employers, which is about the same number as past years;

- In FY 1997 (year one) except for a couple of two-year institutions, none had working partnerships with union and non-union apprenticeship training programs. By FY 2000 (year four), twelve (12) two- and four-year public institutions have working partnerships with 204 different labor union apprenticeship training schools in Missouri;

    - Using baseline FY 1996 data, 55 of 858 (6.4 percent) graduates from targeted AAS/AS degree programs subsequently transferred to Missouri's four-year public institutions. By spring 2000 (year four) 38 of the original 55 (69 percent) had also graduated from baccalaureate technology programs at Missouri's public four-year institutions;

    - Since FY 1997 (year one), a small number (11) of the 78 new and 169 preexisting targeted AAS/AS degree technical programs are currently accredited by NAIT, ABET, or other nationally recognized associations or agencies;

    - Since FY 1997 (year one), a relatively small number (41) of the 356 targeted technical programs currently require graduates to pass licensure, registration, certification, or applicable industry-based skill set examinations; and

    - Since FY 1997 (year one), there has been a gradual increase in a variety of professional and technical skill-building activities designed for full- and part-time faculty teaching in targeted technical programs.

    - Since FY 1997, Linn State Technical College has achieved accreditation by North Central Association of Colleges and Schools Commission on Institutions of Higher Education.

Issues Needing Further Attention and Discussion

The attached Executive Summary is provided to communicate in more detail FY 2000 (year four) progress that is being made toward achieving the statewide public policy initiatives and goals for Missouri's postsecondary technical education system. However, certain results raise additional issues that need further discussion and monitoring over future months. These include:

- Too few Regional Technical Education Councils are meeting regularly and involving their employers directly in regional needs assessment and evaluating targeted program effectiveness.

- Regional Technical Education Councils should intensify efforts to promote postsecondary technical education, and increase the college participation rates of recent high school graduates into targeted certificate or AAS degree programs.

- Regional Technical Education Councils should intensify efforts to prioritize investments in new targeted program development that are at the emerging and advanced "cutting-edge" of technology.

- There appears to be evidence that a few institutions may be reallocating RTEC appropriations planned for targeted technical program infrastructure and delivery, but actually support off-campus AA degree lower division general education expansion.

- Too few institutions are working toward achieving specialized national accreditation, licensure, or certification designations of targeted technical programs.

- The State Auditor is concerned that in some incidences, Regional Technical Education Councils are not spending all their planned annual appropriation on postsecondary technical education initiatives, and therefore dollars are carried forward into the next fiscal year.

- Instructional television (ITV) networks and equipment, which were purchased with technical education appropriations, appear to be used for the distribution of dual credit and lower division general education coursework rather than primarily for the delivery of technical program coursework.

- There appears to be a lack of coordination and alignment of goals among such programmatic initiatives as: Tech Prep, School-to-Careers, ABE/GED, English as a Second Language, A+ Schools, One-stop Career Centers. Regional Technical Education Councils may be underutilized as an effective means to achieve workforce development, education, and training results within the service regions.

- Too few two-year institutions are implementing collaborative educational initiatives with the proprietary—private career school sector (where available).

- Structured by the set of mission enhancement accountability measures approved by the board at their April 1999 meeting, Linn State Technical College has accomplished many important mission outcomes central to its original master plan. The board also recognized Linn State Technical College's successes that were documented in its North Central Association Self-Study Report for Initial Accreditation. Linn State Technical College was granted initial accreditation on August 7, 2000, by North Central Association of Colleges and Schools Commission on Institutions of Higher Education.

STATUTORY REFERENCE

Section 173 RSMo, relating to the responsibilities of the Coordinating Board for Higher Education and Section 178.637.2 RSMo, (Senate Bill 101, 1995)

RELATED BOARD POLICY

Coordinating Board for Higher Education **Public Policies Affecting the Missouri Higher Education Delivery System,**

Chapter VI: Postsecondary Technical Education,

C: State Plan for Postsecondary Technical Education
H: Linn State Technical College Five-year Master Plan

CONSULTATIONS AND RELATED BOARD MEETING ITEMS

This past year, the CBHE staff continued to collaborate with community college presidents and chancellors, institutional researchers, chief academic affairs officers, and Regional Technical Education Council directors/coordinators to refine the process of gathering data to appropriately analyze and interpret the performance measures. Professors and staff researchers from the Economics Department of the University of Missouri-Columbia were also consulted on research design and methods, and were employed to collect and analyze much of the data compiled in this report. Key officials from the Missouri Employment Training and Education Council (MTEC), specifically the Division of Adult and Vocational Education of the Department of Elementary and Secondary Education, and the Division of Workforce Development of the Department of Economic Development, assisted in reviewing and commenting on these performance results as they relate to other statewide and federal workforce development, training, and education initiatives.

RECOMMENDED ACTION

This is an information item only.

ATTACHMENTS

Attachment A: Executive Summary: *2001 Report on Progress Toward the Statewide Public Policy Initiatives and Goals for Missouri Postsecondary Technical Education*

Attachment B: Performance Measures of Missouri Public Community Colleges

Attachment C: Performance Measures of Linn State Technical College

Results of the State's Investment in Meeting Statewide Goals
For Postsecondary Technical Education

GEOGRAPHIC AND PROGRAMMATIC ACCESS

The number of regional employers who are actively engaged in planning postsecondary technical education initiatives through Regional Technical Education Councils.

- According to Table 1, lists the FY 2000 12 Regional Technical Education Councils (RTECs) total membership of nearly 562 constituents, including 194 (35 percent) employers. The remaining membership includes representation from local governmental and community development officials (12 percent), K-12 (11 percent), AVTSs (12 percent), state agencies, labor unions, a small number of proprietary schools, and local, county, and state elected officials.

The number of communities becoming access points for the delivery of postsecondary technical education is increasing.

- By the end of FY 2000, postsecondary technical education degree coursework was actually delivered to 47 communities outside the taxing districts but within the RTEC service regions and at all 17 campuses of the 12 community college taxing districts. As per the state plan Linn State Technical College, SMSU—West Plains, and Missouri Western State College were also contributors. These 67 on- and off-campus access points were consistent with the FY 1999 results.

- Table 2 summarizes the improvement in geographic access when comparing FY 1996 baseline information to FY 2000 (year four) actual on indicators on Missouri counties, population, square miles, and communities served.

The number and capacity of targeted AAS/AS, baccalaureate, master's and doctoral technical degree programs are increasing.

- Table 3 and Table 4 indicate that since July 1, 1996 through March 1, 2001, the 12 community college-sponsored RTECs, in affiliation with Linn State Technical College, Missouri Western State College, and SMSU—West Plains, implemented 110 new targeted postsecondary technical programs, including 32 technical certificates and 78 technical AAS/AS degree programs, or a 45 percent increase over the baseline established before FY 1997. Targeted technical program capacity now totals 109 technical certificates, and 247 AAS/AS degrees.

- Since July 1, 1996 selected four-year institutions added 12 bachelor's, 11 master's, and one doctoral degree programs in targeted technical fields such as: interactive digital media (BS), electrical engineering technology (BS), computer engineering technology (BS, MS), computer information systems engineering (MS), computer engineering (BS, MS, Ph.D.), industrial management (BS, MS), and manufacturing engineering (MS.)

The number of articulation agreements and partnerships between AVTS secondary and adult programs, and two- and four-year institutions delivering targeted postsecondary technical programs is increasing.

- According to Table 5, by the conclusion of FY 2000, the RTEC organizations made significant progress in enhancing accessibility and collaboration among the state's 57 (100 percent) area vocational technical schools (AVTSs) and 44 comprehensive school districts. Approximately 525 duplicated secondary and adult preparatory programs were articulated with one or more of the state's public two-year institutions, Missouri Western State College, Linn State Technical College, and SMSU—West Plains.

The number of articulation agreements between targeted two-year AAS/AS degree programs and public baccalaureate technology degree programs is increasing.

- Table 6 shows that by the end of FY 2000, 25 of Missouri's four-year public and independent institutions, and three of Kansas' and one of Iowa's four-year institutions continued to make significant progress in encouraging students to transfer technical AAS degree program credits toward equivalent technology bachelor's degree programs. By the conclusion of FY 2000, the two-year institutions consummated 157 technology bachelor's degree transfer and articulation agreements, up nearly 55 percent since FY 1999.

The number of articulation agreements and partnerships between private career (proprietary) schools and targeted postsecondary technical programs is increasing.

- During FY 2000, three of the public community colleges entered into instructional partnerships with six private career schools. Table 7 shows that arrangements varied from transferring proprietary school credit into targeted AAS degree programs, and transferring an AAS degree into one proprietary school's bachelor's degree program.

The number of articulation agreements between labor union apprenticeship schools and targeted postsecondary technical programs is increasing.

- As shown in Table 8, the number of relationships between union and non-union apprenticeship training schools and the state's system of two-year providers has greatly increased. As of June 30, 2000, five community colleges received CBHE approval to offer the AAS Degree in Apprenticeship Specialties, which enables apprentices and journeymen to transfer apprenticeship-training competencies toward an AAS degree equivalency coursework.

- Further, Table 8 shows that by the end of FY 2000, 11 two-year institutions and Missouri Western State College had working partnerships with 204 different labor union apprenticeship training schools in Missouri. These results are up dramatically since FY 1999. Apprentices and journeymen can expect to convert apprenticeship training to about 30 equivalent credit hours and be applied toward targeted AAS degree programs.

The number of targeted technical programs delivered via instructional television (ITV) networks to communities located in the service regions is increasing.

- Individual RTECs have invested technical education state aid in the development of synchronous interactive two-way instructional television networks (ITV) for the purpose of delivering technical skill and required general education coursework to outreach locations. Table 9 shows that by June 30, 2000, 81 unduplicated AVTSs and comprehensive high schools and, regional state universities, were served by ITV network connections from respective main campuses of each community college, SMSU-West Plains, Linn State Technical College, and Missouri Western State College and the University of Missouri System's Telecommunication Community Resource Centers (TCRC).

- Further, Tables 9 establishes that by the end of FY 2000, using the ITV systems purchased mostly by technical education appropriations, the two-year institutions transmitted 25 courses to 151 duplicated students who enrolled in targeted postsecondary technical education coursework. One hundred twenty (120) duplicated courses were delivered by the two-year institutions to 1,128 duplicated students enrolled in ITV lower division general education and high school dual credit coursework. The average ITV class size was about 10 students and totaled 1,279 duplicated students or approximately 127 annualized FTE statewide.

PROGRAM PRODUCTIVITY, PARTICIPATION, AND GRADUATION

The number of recent high school graduates entering targeted postsecondary technical programs is increasing.

- In baseline FY 1996, 945 Table 10 shows that recent high school graduates enrolled in targeted postsecondary technical programs. However, by FY 2000 (Fall 1999) the number of recent high school graduates entering targeted technical programs rose to 1,157 or a 22 percent increase over the FY 1996 baseline year.

The number of participants completing coursework in targeted technical programs is increasing at both on- and off-campus sites.

- Table 11 indicates that at the conclusion of FY 2000, the cumulative number of unduplicated students participating in targeted technical programs, which were offered at both on- and off-campus facilities, reached 11,396 students. This is slightly more than the 11,352 posted in FY 1999. When comparing the FY 1995 first baseline year to FY 2000, student participation increased by 39 percent.

- Table 11 also shows that student participation among targeted technical programs grew from baseline FY 1995 to FY 2000. Computer information systems technologies grew by 63 percent; engineering-related technologies grew by 18 percent; mechanic and repairer technologies grew by 263 percent; and precision production technologies grew by 35 percent.

- Table 12 further establishes that by the end of FY 2000, the 12 RTECs delivered 243 face-to-face classroom/lab coursework in targeted certificate and AAS/AS degree technical programs, to 3,205 duplicated students at 47 off-campus and outreach sites. The average class size was 9.5 students. When the 3,205 students were mathematically unduplicated, the

estimated number of individual off-campus participants total about 1000 (1,054). Since FY 1997, on a cumulative basis, about 2,800 unduplicated citizens have availed themselves to off-campus/outreach sites and participated in coursework leading to new and upgraded skills in targeted technical areas.

- Table 13 provides a detailed summary of student participation at off-campus and outreach centers operated by the respective Regional Technical Education Councils (RTECs.) The table also indicates the different types of targeted technical programs and the approximate number of course section completers.

The number and percentage of students graduating with certificate, AAS/AS, and baccalaureate degrees from targeted technical programs are increasing.

- Table 14 delineates the graduation trends and cumulative numbers of targeted technical programs, including certificate and degree recipients since FY 1995 baseline year.

- Table 15 shows that by the end of FY 2000, two- and four-year public institutions produced a total of 1,723 one- and two-year vocational certificates. Of this number, 387 (23 percent) students graduated with targeted technical program certificates, which was a 32 percent increase over the baseline FY 1995 data.

- Since FY 1997, Table 16 indicates that the institutions have produced a cumulative total of 1,448 new graduates in targeted one- and two-year technical certificates. When comparing baseline FY 1995 to FY 2000, the largest targeted technical certificate program gainer was computer information systems at 306 percent.

- According to Table 17, by FY 2000, all two- and four-year public institutions produced a total of 6,790 AA, AAS, or AS degrees. Of this number, 1,020 (15 percent) students graduated from targeted AAS/AS degree technical programs, which was a 25 percent increase over the baseline FY 1995 data.

- Since FY 1997, Table 18 establishes that institutions have produced a cumulative total of 3,700 new graduates in targeted AAS/AS technical degree programs. When comparing baseline FY 1995 to FY 2000, the largest targeted technical AAS/AS degree gainers were 133 (303 percent) increase in mechanics and repairers, and 161 (89 percent) increase in precision and production trades.

- By observing Table 19, all four-year public institutions produced a total of 16,674 bachelor's degrees in FY 2000. Of this number 1,289 (8 percent) students graduated from targeted technology bachelor's degree programs (does not include engineering). This figure compares to 1,093 students that graduated in FY 1999, or an 18 percent increase.

FINANCIALLY REWARDING JOB PLACEMENT AND WAGES

The annual earnings of graduates employed in occupations related to targeted technical training are generally higher than average salaries of non-technical graduates from Missouri public institutions, who have entered Missouri's workforce.

- Using sampling techniques, 1,921 students graduated during FY 1998 (1997/1998 academic year) from targeted technical certificate, AAS/AS, or technology bachelor's degree programs. Table 20 displays earned median annual salaries after the first 13 months of employment.

- Targeted technical program graduates generally earn wages that are higher than the median wages of non-technical graduates from Missouri's public institutions. Technical certificate graduates from FY 1998 earned $25,723 in median wages compared to $21,328 (N=719) for non-technical certificate graduates. Technical AAS degree graduates from FY 1998 earned $26,802 in median wages compared to $22,448 (N=2,789) for non-technical AAS degree graduates. At the baccalaureate degree level, those FY 1998 graduates receiving technology-related bachelor's degrees (engineering degrees were not included) earned $36,831 in median wages compared to $24,476 (N=8,130) for graduates in other non-technical fields.

- When observing the specific median wages of this same sample of students that graduated from targeted technical programs in FY 1998 (1997/1998 academic year), Table 21 shows the following salary levels, after 13 months of employment, including:

- When observing the specific median earnings of samples of students that graduated from certificate and AAS/AS targeted technical programs in FY 1998 (1997/1998 academic year), salary level trends are indicated in Tables 22, 23, 24, 25, 26, and 27, including:

The number and percentage of students graduating from targeted technical programs and finding jobs in related occupational fields or continuing their education are increasing.

- During FY 1999 (1998/1999 academic year), 1,341 students graduated from targeted technical certificate and AS/AAS degree programs. Using sampling techniques, 1,000 (74.6 percent) reported that they found jobs relating directly to their field of technical training, or pursued additional education in the same field. Table 28 indicates that this placement rate of 74.6 percent for targeted technical programs compared favorably with the overall state average for all vocational postsecondary programs at 73.9 percent. (Source: DESE Annual Job Placement Service 180 Day Reports)

PROGRAM QUALITY AND IMPROVEMENT

The number of students graduating from targeted certificate and AAS/AS degrees, and then transferring and graduating from baccalaureate technology programs at public four-year institutions is increasing.

- Using FY 1996 as a benchmark year, the Missouri two-year institutions and CMSU, SEMO, MWSC, and MSSC conferred 858 AAS/AS degrees in targeted technical programs. Of this cohort of 858 AAS/AS degree recipients, 55 transferred to Missouri's four-year public colleges and universities. By the spring semester of 2000, 38 (69 percent) of the original 55 four-year public colleges and universities earned a bachelor's degree in a comparable targeted technology program.

The number of targeted technical programs that become successfully accredited by NAIT, ABET, or other nationally recognized associations or agencies is increasing.

- According to Table 29, 11 targeted technical programs became accredited or certified by a recognized industry organization, during FY 2000. Over the next four years, each institution plans to achieve appropriate national or industry-based accreditation in 70 targeted technical programs. Table 30 displays a listing of abbreviations and complete names of accreditation agencies, associations, and other affiliations to targeted technical programs.

The number of graduates from targeted technical programs passing licensure, registration, certification, or applicable industry-based skill set examinations is increasing.

- As shown in Table 31, 11 of 14 two-year colleges and Missouri Western State College integrated the use of industry-based skill assessment of their AAS/AS graduates in 41 of their targeted technical programs effective June 30, 2000.

The technical skills of faculty teaching in targeted technical programs are current and effective through increased in-service training.

- Table 32 establishes that in FY 2000, individual institutions reported that a gradual increase in the variety of professional and technical skill-building activities is occurring among full- and part-time faculty teaching in targeted technical programs. Professional development activities range from opportunities to return to industry during the summer, attending technology conference, participating in equipment training at factory schools, to earning bachelor's and master's degrees.

Table 1
MEMBERSHIP DISTRIBUTION OF
Regional Technical Education Councils (RTECs)
FY 2001 (Year five)

Categories	Distribution
Employers	194
Community College Educators	65
Four-year Institution Educators	33
Area Vocational/Technical School Educators	66
K-12 Educators	59
Local Government/Community Development	66
State Agencies (Local and Regional)	33
Proprietary School/Private Career Schools	10
Labor Unions/Apprenticeship Training	16
Legislators (includes those that are not ex-official)	20
TOTAL	**562**

Table 2
SUMMARY OF
Improvement in Geographic Access

Accessibility to Technical Education	FY 1996 Baseline	FY 2000 (Year four) (Actual)
Missouri Counties	38 (33.3%)	86 (75%)
Missouri Population *	3,640,000 (71%)	4,196,000 (82%)
Missouri Square Miles (Approximate)	23,000 (33%)	57,415 82%)
Community College Districts	(12)	(12)
Community College Campuses	16	17
Cities Served Outside Com. Coll. District	5	51
Total Cities Accessible	***20***	***68***

*Note: *Numbers are Approximate—2000 Census*

Table 3
SUMMARY OF
NEW TARGETED TECHNICAL PROGRAMS
Approved by CBHE
July 1, 1996 to June 30, 2000

Targeted Occupational Areas	Beginning Inventory FY 1996		Added Between July 1, 1996- March 1, 2001		Cumulative Total	
	Certificate	AAS/AS	Certificate	AAS/AS	Certificate	AAS/AS
Computer/Information Systems	18	32	7	18	25	50
Engineering Technology	11	25	4	28	15	53
Advanced Health Occupations	3	17	0	1	3	18
Mechanics and Repairers	11	19	10	12	21	31
Precision Production Trades	31	69	10	18	41	87
Science Technologies	3	7	1	1	4	8
Sub-Totals	**77**	**169**	**32**	**78**	**109**	**247**
Total Certificates and AAS/AS	**246**		**110 New**		**356**	

Note: Includes public community colleges, LSTC, SMSU—West Plains, and MSSC.

GEOGRAPHIC and PROGRAMMATIC ACCESS

Table 4
Detail of Approved New Targeted Technical Programs
Developed Since JULY 1 1996 to MARCH 1, 2001

Institution	Programs and Degrees			Year Approved
	Program	Certificate	Degree	
Crowder College	Industrial Technology		AAS	1998
	Computer/Network Support Tech.		AAS	1999
	Occupational Education		AAS	1999
East Central College	Mold Making Technology	Certificates	AAS	1998
	Precision Machining	Certificates	AAS	1998
	Graphic Design/Illustration	Certificates	AAS	1998
	Industrial Engineering	Certificates	AAS	1998
	Industrial Management	Certificates	AAS	1998
	Drafting and Design Technology	Certificates	AAS	1999
	Occupational Education		AAS	1999
Jefferson College	Apprenticeship Training		AAS	1999
	Occupational Education		AAS	1999
Metropolitan Community Colleges	Industrial Management	Certificate	AAS	1998
	Auto Collision Repair Tech.	Certificate		1998
	Graphic Design	Certificate	AAS	1999
	Computer Science/Infor. Sys. & Sftwr.	Certificate	AAS	1999
	Electronics Technology		AAS	1999
	Occupational Education		AAS	1999
	Apprenticeship Training		AAS	1997

Mineral Area College	Industrial Maintenance	Certificate	AAS	1998
	Computer Networking	Certificate	AAS	1999
	Machine Tool Technology	Certificate	AAS	1999
	Occupational Safety & Environ. Tech.		AAS	1999
	Graphic Design, Commer. Art & Illus.	Certificate	AAS	1999
	Surgical/Operating Room Technology	Certificate		1999
	Operations Mgt. & Mfg. Supervision		AAS	1999
	Occupational Education		AAS	1999
	Apprenticeship Skills Trades		AAS	2000
Moberly Area Community College	Occupational Education		AAS	1999
North Central Missouri College	Chemical Applicator Occupational		AAS	1998
	Education		AAS	1999
Ozarks Technical Community College	Industrial Maintenance		AAS	1998
	Drafting and Design Tech.	Certificate	AAS	1999
	Electronic Media Pro. Tech.		AAS	1999
	Machine Tool Technology	Certificate	AAS	1999
	Industrial Electronics Tech.	Certificate	AAS	1999
	Computers and Networks		AAS	1999
	Graphics Design Technology	Certificate	AAS	2000
	Diesel Technology	Certificate	AAS	2000
	Occupational Education		AAS	1999
	Internet Applications Development		AAS	2000
	Dental Hygiene		AAS	2000
St. Charles County Community College	Industrial Maintenance		AAS	1998
	Computer Science with 4 options		AAS	2000
	Occupational Education		AAS	1999
	Industrial Apprenticeship Training		AAS	1999
St. Louis Community College	Skilled Trades Industrial Apprentice.		AAS	1999
	Industrial Technology Education		AS	1999
	Occupational Education		AAS	1999
	Biotechnology		AAS	2000
	Plastics Engineering Technology		AAS	2000
State Fair Community College	Marine Mechanics		AAS	1999
	Occupational Education		AAS	1999
	Computer Infor. Systems—Networking		AAS	2000
	Computer Aided-Drafting		AAS	2000
	Custom Applicator Technology		AAS	1999
Three Rivers Community College	Industrial Technician	Certificate		1998
	Electrical Technician	Certificate		1998
	Quality Control Technician	Certificate		1998
	Industrial Maintenance		AAS	1998
	Information Systems Technology		AAS	1998
	Occupational Education		AAS	1999
	Industrial Technology	Certificate	AAS	2000

Linn State Technical College	Heavy Equipment Maint./Repair		AAS	1997
	Heavy Equip. Maint. CAT Dealership		AAS	2000
	Electrical Distribution		AAS	1997
	Integrated Manufacturing. Technology	Certificate	AAS	1997
	Networking Systems Technology	Certificate	AAS	1998
	Machine Technology	Certificate		1998
	Electrical Technology	Cert.-2 yr.		1998
	Aviation Maintenance			1998
	Civil/Construction Engineering Tech.		AAS	1999
	Telecommunications Engineering Tech		AAS	1999
	Photonics Technology		AAS	2000
SMSU—West Plains	Computer Technology in: *computer technical support, computer. application.*		AAS	1999
	Industrial Technology in: *welding, mechanical drafting, and manufacturing machine*		AAS	1999
	General Engineering Technology		AAS	1999
SMSU—Springfield	Bachelor of Applied Science		BS	1998
	Electronic Arts in Audio		BS	1999
	Electronic Arts in Video/Computer Animation		BS	1999
Missouri Western State. College	Manufacturing Engineering Tech.		AAS	1997
Central Missouri State University	Information Technology		MS	1998
	Technical & Occupational Education		MS	1999
University of Missouri-Rolla	Computer Engineering	BS, MS	Ph.D.	1998
	Engineering: Cooperative with Northwest, Southeast, Southwest and Lincoln Universities		MS	1998
University of Missouri-Columbia	Master of Engineering		ME	1998
University of Missouri-St. Louis	Computer Science		MS	1998
	Management Information Systems		MS	1999
	with Electronic Commerce	Grad. Cert.		
	with Telecommunications Science	Grad. Cert.		
	Information Systems Development	Grad. Cert.	MS	2000
University of Missouri-Kansas City	Computer Science in Software Engineering, Telecommunications Networking and Computer Networking		BS	1999
	Bachelor of Information Technology		BIT	
Southeast Missouri State University	Computer Numeric Control Machining		AAS option	1998
	Industrial Technology		BS	1998
	Manufacturing Engineering Tech.		BS	1998
	Industrial Technology in Electronics and Computer Technology		BS	1999
	Management Information Systems		BS/BA	1999
	Industrial Education		BSE	1999

Table 5

TRANSFER AGREEMENTS BETWEEN
Area Vocational Technical Schools and Two- and Four-year Institutions
(Effective June 30, 2000)

Crowder College

Carthage Technical Center

AREA VOCATIONAL TECHNICAL SCHOOL				COMMUNITY COLLEGE	
SECONDARY Program Name	Maximum Credits	ADULT Program Name	Maximum Credits	Degree/ Certificate	Program Name
Industrial Technology	6	N/A	N/A	AAS/ Certificate	Industrial Technology
Machine Tool	12	CNC Machining	6	AAS	Machine Tool Technology
Carpentry	9	N/A		AAS	Construction Technology
Electronics	10			AAS	Electronics Technology

Nevada Regional Technical Center

Drafting and Design	12	Drafting & Design	3	AAS	Drafting & Design Technology
Industrial Technology	6	N/A	N/A	AAS/Cert.	Industrial Technology
Construction Technology	12	N/A		AAS	Construction Technology
Welding Technology	8	N/A		AAS	Industrial Technology

Crowder College Technical Center

Industrial Technology	6	N/A	N/A	AAS Certificate	Industrial Technology
Building Trades	12	Apprenticeship Program	15	AAS	Construction Technology
Drafting & Design	12	N/A	N/A	AAS	Drafting & Design Technology
Electronics	8	N/A	N/A	AAS	Electronics Technology
Machine Tool	12	N/A	N/A	AAS	Machine Tool Technology
Welding	8	N/A	N/A	AAS	Industrial Technology

Franklin Technology Center

Welding	8	N/A	N/A		Industrial Technology
Electronics/Computer Repair	8	N/A	N/A	AAS	Electronics Technology

Machine Tool Technology	12	N/A	N/A	AAS	Machine Tool Technology
Lamar AVTS					
Industrial Technology	6	N/A	N/A	AAS/Cert	Industrial Technology
Carpentry	9	N/A	N/A	AAS	Construction Technology
Drafting & Design	12	N/A	N/A	AAS	Drafting & Design Technology
Machine Tool Tech	12	N/A	N/A	AAS	Machine Tool Technology
Welding	8	N/A	N/A	AAS	Industrial Technology
Southwest Area Career Center					
Industrial Technology	6	N/A	N/A	AAS/Cert.	Industrial Technology
Construction Technology	12	N/A	N/A	AAS	Construction Technology
Drafting & Design	12	N/A	N/A	AAS	Drafting & Design Technology
Electronics	8	N/A	N/A	AAS	Electronics Technology
Machine Tool	12	N/A	N/A	AAS	Machine Tool Technology

East Central College

Four Rivers Area Vocational Technical School

AREA VOCATIONAL TECHNICAL SCHOOL				COMMUNITY COLLEGE	
SECONDARY Program Name	**Maximum Credits**	**ADULT Program Name**	**Maximum Credits**	**Degree/ Certificate**	**Program Name**
Agricultural Education	5			AAS/ Certificate	Horticulture Floral Design/Flower Shop Management
Automotive Technology	32	Automotive Technology	32	AAS/ Certificate	Automotive Technology
Building Construction Technology	34	Building Construction Technology	34	AAS/ Certificate	Building Construction Technology Building Construction
Graphic Communications	15	Graphic Communications	15	AAS/ Certificate	Graphic Design/Illustration Technology/Graphic Design Multimedia Graphic Design
Machine Shop	12	Machine Shop	12	AAS/ Certificate	Precision Machining Technology Precision Machining Machine Tool
					Business Management/

Marketing	6	Marketing	6	AAS/ Certificate	Marketing Business Management
Welding Technology	31	Welding	31	AAS/ Certificate	Welding Technology Welding

Rolla Technical Institute

Air Conditioning & Refrigeration	26	Air Conditioning & Refrigeration	26	AAS/ Certificate	Air Conditioning & Refrigeration Air Conditioning
Automotive Technology	34	Automotive Technology	34	AAS/ Certificate	Automotive Technology
Business Management/Marketing	6			AAS/ Certificate	Business Management/Marketing Business Management
Building Construction Technology	26	Building Construction Technology	26	AAS/ Certificate	Building Construction Technology Building Construction
Drafting	24	Drafting	33	AAS/ Certificate	Drafting & Design Technology Drafting & Design
Electronics	23	Electronics	23	AAS	Electronics
		Nursing (1+1 Bridge) LPN	25	AAS	Nursing ADN
Graphic Arts	32	Graphic Arts	32	AAS/ Certificate	Graphic Design/Illustration Technology/Graphic Design/Multimedia Graphic Design
Horticulture	7	Horticulture	7	AAS/ Certificate	Horticulture Floral Design
Industrial Maintenance	19	Industrial Maintenance	31	AAS/ Certificate	Industrial Engineering Technology Industrial Technology
Machine Shop	14	Machine Shop Machine Tool	35 12	AAS/ Certificate	Precision Machining Technology Precision Machining Machine Tool
		Manufacturing Technology	19	AAS/ Certificate	Industrial Maintenance (1 yr)
Office Careers	20	Office Careers	27	AAS	Various

Office Careers/Medical Technology	11	Office Careers-Medical Terminology	11	AAS/ Certificate	Medical Information Technology

Jefferson College

Jefferson College AVS

AREA VOCATIONAL TECHNICAL SCHOOL				COMMUNITY COLLEGE	
SECONDARY Program Name	**Maximum Credits**	**ADULT Program Name**	**Maximum Credits**	**Degree/ Certificate**	**Program Name**
Business Management	25	Business Management	25	AAS	Business Management
Microcomputers and Networking	25	Microcomputers and Networking	25	AAS	Microcomputers and Networking
Hotel & Restaurant Management	25	Hotel & Restaurant Management	25	AAS	Hotel & Restaurant Management
Child Care/Early Childhood Education	25	Child Care/Early Childhood Education	25	AAS	Child Care/Early Childhood Education
Architectural Drafting	25	Architectural Drafting	25	AAS	Architectural Drafting
Automotive Technology	25	Automotive Technology	25	AAS	Automotive Technology
Electronics Technology	25	Electronics Technology	25	AAS	Electronics Technology
Heating, Refrig., & Air Cond.	25	Heating, Refrig., & Air Cond.	25	AAS	Heating, Refrig., & Air Cond.
Machine Tool/CNC Technology	25	Machine Tool/CNC Technology	25	AAS	Machine Tool/CNC Technology
Mechanical Drafting/CAD	25	Mechanical Drafting/CAD	25	AAS	Mechanical Drafting/CAD
Telecommunications Technology	25	Telecommunications Technology	25	AAS	Telecommunications Technology
Welding Technology	25	Welding Technology	25	AAS	Welding Technology
Civil/Construction Technology	25	Civil/Construction Technology	25	AAS	Civil/Construction Technology .

Metropolitan Community Colleges

Northland Career Center

AREA VOCATIONAL TECHNICAL SCHOOL				COMMUNITY COLLEGE	
SECONDARY Program Name	**Maximum Credits**	**ADULT Program Name**	**Maximum Credits**	**Degree/ Certificate**	**Program Name**
Microcomputer Applications	3-6	Microcomputer Applications	12	AAS	Computer Science & Information Systems , Networking Emphasis
Heating, Air Conditioning, & Refrigeration	15	Heating, Air Conditioning, & Refrigeration	15	AAS	Heating , Ventilation, & Air Conditioning
Welding Technologist	10	Welding Technologist	10	AAS	Industrial Maintenance Millwright
Electrical & Electronics Equipment Installer	15	Electrical & Electronics Equipment Installer	15	AAS	Electronic Engineering Technology
Marketing Education	3-6	Marketing Education	3-6	AAS	Business
Practical Nursing	1.5	Practical Nursing	1.5	AAS	Practical Nursing
Lex La-Ray Technical Center					
Machine Technologist	14	Machine Technologist	14	AAS	Machine Tool Technology
Welding Technologist	10	Welding Technologist	10	AAS	Industrial Maintenance or Millwright
Automotive Mechanic	10	Automotive Mechanic	10	AAS	Automotive Technology
Automotive Body Repair	26	Automotive Body Repair	26	AAS	Automotive Technology
Computer Maintenance		Computer Maintenance			
Technology Technician	3-6	Technology Technician	3-6	Certificate	Telecommunications Technology
Marketing	3-6	Marketing	3-6	AAS	Business
Practical Nursing	1.5	Practical Nursing	1.5	AAS	Practical Nursing
Health Aide	19	Health Aide	19	AAS	Nursing
Kansas City Missouri School District					
Drafting	10			AAS	Drafting Technologies
Computer Maintenance	3-6			AAS	Computer Science/Information Systems/Networking emphasis
Marketing Education	3-6			AAS	Business
Fashion Merchandising	9			AAS	Fashion Merchandising
Child Development	7			AAS	Child Growth & Development
Health Aide	1.5			AAS	Practical Nursing
N.S. Hillyard Technical School					
Computer Maintenance Technology/Technician	3	Computer Maintenance Technology/Technician	3	AAS	Computer Science & Information Systems/Networking Emphasis
Electronics Equip. Installer	15	Electronics Equipment Installer	15	AAS	Electronics Engineering Technology

Drafting	10	Drafting	10	AAS	Drafting Technology
Heating, Air Conditioning, & Refrigeration	15	Heating, Air Conditioning, & Refrigeration	15	AAS	Heating, Ventilation, & Air Conditioning
Health Aide	Missouri Articulation Program	Health Aide	Missouri Articulation Program	AAS	Nursing
Welding Technologist	10	Welding Technologist	10	AAS	Industrial Maintenance or Millwright
Information Processing/Data Entry Technician	3	Information Processing/Data Entry Technician	3	AAS	Business
Practical Nursing	1.5	Practical Nursing	1.5	AAS	Practical Nursing
Machine Tool Technologist	14	Machine Tool Technologist	14	AAS	Machine Tool Technology
Excelsior Springs Career Center					
Business Computer Facilities Operator	1-2	Business Computer Facilities Operator	1-2	AAS	Computer Science & Information Systems/Networking
Electronics	15	Electronics	15	AAS	Electronic Engineering Technology
Drafting	10	Drafting	10	AAS	Drafting Technology
Automotive Technology	10	Automotive Technology	10	AAS	Automotive Technology
Heating, Air Conditioning, & Refrigeration	15	Heating, Air Conditioning, & Refrigeration	15	AAS	HVAC
Business Information & Data Processing Service	1-6	Business Information & Data Processing Service	1-6	AAS	Business
Health Aide	1.5	Health Aide	1.5	AAS	Practical Nursing
Cass Career Center					
Business Computer Facilities Operator	3	Business Computer Facilities Operator	12	AAS	Computer Science & Information Systems/Networking Emphasis
Electronics	12	Electronics	12	AAS	Electronic Engineering Technology
CAD Drafting	10	CAD Drafting	10	AAS	Drafting & Design Technology
Automotive Technology	4	Automotive Technology	4	AAS	Automotive Technology
Welding	10	Welding	10	AAS	Industrial Maintenance or Millwright
Agricultural Ed.	6	Agricultural Ed.	6	AAS	Grounds & Turf Management
General Office/Clerical	3-6	General Office/Clerical	3-6	AAS	Management & Business Administration
Health Aide	1.5	Health Aide	1.5	AAS	Practical Nursing
Fire Protection & Safety Technology/Technician	8	Fire Protection & Safety Technology/Technician	8	AAS	Emergency Medical Technician

Herndon Career Center

Computer Maintenance Technology/Technician	9	Fire Protection & Safety Technology/Technician	9	AAS	Computer Science & Information Systems/Networking Emphasis
Automotive Body Repair	26	Automotive Body Repair	26	AAS	Automotive Technology
Electronics	15	Electronics	15	AAS	Electronics Engineering Technology
Automotive Technology	10	Automotive Technology	10	AAS	Automotive Technology
Heating, Air Conditioning, & Refrigeration	15	Heating, Air Conditioning, & Refrigeration	15	AAS	Heating, Ventilation, & Air Conditioning Technician
Welding Technologist	10	Welding Technologist	10	AAS	Industrial Maintenance or Millwright
Computer Maintenance Technology/Technician	3-6	Computer Maintenance Technology/Technician	3-6	Certificate	Telecommunications Technology
Marketing Education	3-6	Marketing Education	3-6	AAS	Business
Graphic Design, Commercial Art & Illustration	9	Graphic Design, Commercial Art & Illustration	9	AAS	Graphic Design
Health Aide	1.5	Health Aide	1.5	AAS	Practical Nursing
Childcare Provider	13	Childcare Provider	13	AAS	Child Growth & Development

Career & Technology Center at Fort Osage

Computer Maintenance Technology	12	Computer Maintenance Technology	12	AAS	Computer Science & Information Systems/ Networking Emphasis
Electronics	15	Electronics	15	AAS	Electronic Engineering Technology
Industrial Electronic Installer	3-6	Industrial Electronic Installer	3-6	Certificate	Telecommunications Technology
Auto Body Repair	26	Auto Body Repair	26	AAS	Automotive Technology
Drafting	10	Drafting	10	AAS	Drafting & Design Technology
Automotive Mechanic	10	Automotive Mechanic	10	AAS	Automotive Technology
Horticultural Services, Operations & Management	6	Horticultural Services, Operations, & Management	6	AAS	Grounds & Turf Management
Marketing	3-6	Marketing	3-6	AAS	Business
Health Aide	1.5	Health Aide	1.5	AAS	Practical Nursing
Fire Protection & Safety Technology	8	Fire Protection & Safety Technology	8	AAS	Emergency Medical Technician

Clinton AVTS

Drafting	10	Drafting	10	AAS	Drafting Technology
Heating, Air Conditioning, & Refrigeration	15	Heating, Air-conditioning, & Refrigeration	15	AAS	HVAC
Machine Technologist	14	Machine Technologist	14	AAS	Machine Tool Technology

Marketing Education	3	Marketing Education	3	AAS	Business
Health Aide	1.5	Health Aide	1.5	AAS	Practical Nursing
Carrollton AVTS					
Business Technology	3-6	Computer Science	3-6	AAS	Computer Science & Information Systems/Networking Emphasis
Auto Collision Repair	26	Auto Collision Repair	26	AAS	Automotive Technology
Marketing Education	3-6	Marketing Education	3-6	AAS	Business
Health Aide	1.5	Health Aide	1.5	AAS	Practical Nursing
Warrensburg AVTS					
Practical Nursing	1.5	Practical Nursing	1.5	AAS	Practical Nursing
Computer Maintenance Technology/Technician	3-6	Computer Maintenance Technology/Technician	3-6	AAS	Computer Science & Information Systems/Networking Emphasis
Business Computer Programming & Facilities Operator	9	Business Computer Programming & Facilities Operator	9	AAS	Computer Science & Information Systems
Health Aide	19	Health Aide	19	AAS	Nursing
State Fair AVTS					
Child Growth	7	Child Growth	7	AAS	Child Growth & Development
Practical Nursing	1.5	Practical Nursing	1.5	AAS	Practical Nursing
Nevada Regional Technical Center					
Health Aide	19	Health Aide	19	AAS	Nursing
Practical Nursing	1.5	Practical Nursing	1.5	AAS	Practical Nursing

Mineral Area College

Area Vocational Technical School Name: Cape Girardeau Area Career and Technology Center
Community where located: Cape Girardeau

AREA VOCATIONAL TECHNICAL SCHOOL				COMMUNITY COLLEGE	
SECONDARY Program Name	**Maximum Credits**	**ADULT Program Name**	**Maximum Credits**	**Degree/ Certificate**	**Program Name**
Automotive Technology	24	NA		A.S.	Automotive Technology
Electronics Technology	14	NA		A.S.	Electronics Technology
Graphic Arts Technology	23	NA		A.S.	Graphic Arts Technology
Industrial Maintenance	33	NA	33	A.A.S.	Industrial Maintenance
Computer Networking	36	NA		A.A.S.	Computer Networking
Perryville Area Career and Technology Center					
Automotive Technology	24	NA		A.S.	Automotive Technology

Civil/Construction Technology	14	NA		A.S.	Civil/Construction Technology
Electronics Technology	14	NA		A.S.	Electronics Technology
Graphic Arts Technology	23	NA		A.S.	Graphic Arts Technology

UniTec Career Center

Automotive Technology	24	NA		A.S.	Automotive Technology
Civil/Construction Technology	14	NA		A.S.	Civil/Construction Technology
Electronics Technology	14	NA		A.S.	Electronics Technology
Graphic Arts Technology	23	NA		A.S.	Graphic Arts Technology
Manufacturing Technology	24	NA		A.S.	Manufacturing Technology

Winona School District and the Current River Consortium

Machine Tool Technology	24	Machine Tool Technology	24	A.A.S. Certificate	Machine Tool Technology

Arcadia Valley Career Technology Center

Automotive Technology	24	NA		A.S.	Automotive Technology
Graphic Arts Technology	23	NA		A.S.	Automotive Technology

Moberly Area Community College

Moberly Area Technical Center

AREA VOCATIONAL TECHNICAL SCHOOL				COMMUNITY COLLEGE	
SECONDARY Program Name	Maximum Credits	ADULT Program Name	Maximum Credits	Degree/ Certificate	Program Name
Drafting	12	None Available	None	AAS/Cert.	Drafting and Design Tech.
Machine Tool	12	Machine Tool	None	AAS/Cert.	Industrial Technology
Welding	6	Welding	None	AAS/Cert.	Industrial Technology
Computer Business Applications		None	None	AAS/Cert.	Business and Office
Electronics	12	None	None	AAS/Cert.	Industrial Elec./Elec. Tech.
Industrial Technology	6	None	None		Industrial Technology

Hannibal Area Vocational Technical School

Welding	9	Welding	None	AAS/Cert	Industrial Technology
Machine Tool	12	Machine Tool	None	AAS/Cert.	Industrial Technology
Drafting	9	Drafting	None	AAS/Cert.	Drafting and Design Tech.

Kirksville Area Technical Center

Computer Science	3	None	None	AAS/Cert.	Computer Info Systems

Graphic Arts	6	None	None	AAS/Cert.	Graphic Arts Technology
Macon Area Vocational Technical School					
Graphic Arts	9	None	None	AAS/Cert.	Graphic Arts Technology
Welding	9	None	None	AAS/Cert.	Industrial Technology
Davis-Hart Area Vocational Technical School					
Drafting	15	Drafting	None	AAS/Cert.	Drafting and Design Tech
Electronics	12	Electronics	None	AAS/Cert.	Industrial Elec./Elec. Tech.
Brookfield Area Technical Center					
Graphic Arts	9	None	None	AAS/Cert.	Graphic Arts Technology
Drafting	15	None	None	AAS/Cert.	Drafting and Design Tech.
Columbia Career Center					
Electronics	12	Electronics	None	AAS/Cert.	Industrial Elec./Elec. Tech.
Drafting	9	Drafting	None	AAS/Cert.	Drafting and Design Tech.

North Central Missouri College

North Central Area Vo-Tech

AREA VOCATIONAL TECHNICAL SCHOOL				COMMUNITY COLLEGE	
SECONDARY Program Name	**Maximum Credits**	**ADULT Program Name**	**Maximum Credits**	**Degree/ Certificate**	**Program Name**
Computer Repair	30	Computer Repair	30	Cert./AAS	Microcomputer Specialist
Brookfield Area Career Center					
Electronics	30	Electronics	30	Cert./AAS	Industrial Maintenance
Computer Repair	30	Computer Repair	30	Cert./AAS	Microcomputer Specialist
Grand River Technical School					
Industrial Maintenance	30	Industrial Maintenance	30	Cert./AAS	Industrial Maintenance
Northwest Technical School					
Industrial Electronics	24	Industrial Electronics	24	AAS	Industrial Maintenance
Drafting	24	Drafting	24	AAS	Technology
Mechanical Technology	24	Mechanical Technology	24	AAS	Technology
Computer Repair	30	Computer Repair	30	AAS	Microcomputer Specialist

Ozarks Technical Community College

Laclede Technology and Career Center

AREA VOCATIONAL TECHNICAL SCHOOL				COMMUNITY COLLEGE	
SECONDARY Program Name	Maximum Credits	ADULT Program Name	Maximum Credits	Degree/ Certificate	Program Name
Computer Maint.Tech.	7	Computer Maintenance Technology	7	AAS	Computers and Networks
Computer Maint. Tech.	4	Computer Maintenance Technology	4	AAS/CT	Computer Information Technology
Machine Technologist	4	Machine Technologist	4	AAS/CT	Machine Tool Technology
Drafting, General	8	Drafting, General	8	AAS/CT	Machine Tool Technology
Drafting, General	12	Drafting, General	12	AAS/CT	Drafting and Design Technology
Auto Mechanics	16	Auto Mechanics	16	AAS/CT	Automotive Technology
OTC/Graff Career Center					
Computers	32	High School Dual Credit		AAS/CT	Computer Information Tech.
Computer Networking I, II	29	High School Dual Credit		AAS	Computer and Networks
Electronics Media Prod.	32	High School Dual Credit		AAS/CT	Electronic Media Production
Electronics Technology	32	High School Dual Credit		AAS/CT	Electronics Technology
Electronics Technology	28	High School Dual Credit		AAS/CT	Industrial Electronics Tech.
Electronics Technology	12	High School Dual Credit		AAS/CT	Industrial Maint. Tech.
Heating, Refrigeration AC	32	High School Dual Credit		AAS/CT	Heating, Refrigeration & AC
Machine Tool Technology	32	High School Dual Credit		AAS/CT	Machine Tool Technology
Printing/Graphics Tech.	18	High School Dual Credit		AAS/CT	Printing/Graphics Tech.
Drafting & Design Tech.	28	High School Dual Credit		AAS/CT	Drafting & Design Tech.
Welding Technology	32	High School Dual Credit		AAS/CT	Welding Technology
Ozarks Mountain Technical Center					
Electronics Technology	16	Electronics Technology	16	AAS/CT	Electronics Technology
Electronics Technology	16	Electronics Technology	16	AAS/CT	Industrial Electronics Tech.
Electronics Technology	8	Electronics Technology	8	AAS/CT	Electronic Media Production
Electronics Technology	8	Electronics Technology	8	AAS	Computers & Networks
Heating, Refrigeration /AC	16	Heating, Refrigeration & AC	16	AAS/CT	Heating, Refrigeration & AC
Computer Networking	7	Computer Networking	7	AAS	Computers & Networks
Machine Tool Technology	4	Machine Tool Technology	4	AAS/CT	Machine Tool Technology
Welding Technologist	16	Welding Technologist	16	AAS/CT	Welding Technology
Waynesville Technical Academy					
Computer Networking	7	Computer Networking	7	AAS	Computers and Networks
Business Computer	7	Business Computer Facilities	7	AAS/CT	Computer Information Technology

Facilities Operator		Operator			
Welding	16	Welding	16	AAS/CT	Welding Technology
General Office/Clerical	4	General Office/Clerical	4	AAS/CT	Computer Information Technology
Auto Mechanics	16	Auto Mechanics	16	AAS/CT	Automotive Technology
Auto Body	8	Auto Body	8	AAS/CT	Collision Repair
Dallas County AVTS					
Heating/Air Condit./Refrigeration	16	Heating/Air Conditioning/Refrigeration	12	AAS/CT	Heating, Refrigeration & AC
Electrical/Electronics Equipment Repair	16	Electrical/Electronics Equipment Repair	16	AAS/CT	Electronics Technology
Electrical/Electronics Equipment Repair	16	Electrical/Electronics Equipment Repair	16	AAS/CT	Industrial Electronics Technology
Electrical/Electronics Equipment Repair	8	Electrical/Electronics Equipment Repair	8	AAS/CT	Electronic Media Production
Electrical/Electronics Equipment Repair	8	Electrical/Electronics Equipment Repair	8	AAS	Computers & Networks
Desktop Publishing	4	Desktop Publishing	4	AAS/CT	Printing/Graphics Technology
Welding Technologist	16	Welding Technologist	16	AAS/CT	Welding Technology
General Office/Clerical	3	General Office/Clerical	4	AAS/CT	Computer Information Technology
Gibson Technical Center					
Computer Maintenance Technology/Technologist	4	Computer Maintenance Technology/Technologist	4	AAS/CT	Computer Information Tech.
Computer Maintenance Technology/Technologist	7	Computer Maintenance Technology/Technologist	7	AAS	Computers and Networks
Welding Technologist	16	Welding Technologist	16	AAS/CT	Welding Technology
Business Tech I and II	13	Business Tech I and II	13	AAS/CT	Office Systems Technology
Welding	16	Welding	16	AAS/CT	Welding Technology
Printing/Graphics	8	Printing/Graphics	8	AAS/CT	Printing and Graphics
Culinary Arts	8	Culinary Arts	8	AAS/CT	Culinary/Hospitality Management
Carpentry I and II	8	Carpentry I and II	8	AAS/CT	Construction Technology
Auto Collision I and II	8	Auto Collision I and II	8	AAS/CT	Collision Repair
Auto Technology I and II	16	Auto Technology I and II	16	AAS/CT	Auto Technology

St. Charles County Community College

Pike/Lincoln Technical Center

AREA VOCATIONAL TECHNICAL SCHOOL				COMMUNITY COLLEGE	
SECONDARY Program Name	**Maximum Credits**	**ADULT Program Name**	**Maximum Credits**	**Degree/ Certificate**	**Program Name**
Industrial Maintenance	22 credits	Industrial Maintenance	22 credits	AAS & certificate	Industrial Maintenance
Electronics	12 credits	Electronics	4 credits	AAS & Certificate	Electronics
Welding	12 credits	Welding	12 credits	Certificate	Welding
Office Systems Technology	8 credits	Office Systems Technology	8 credits	AAS	Business Administrative Systems
Computer Applications	18 credits	Computer Applications	18 credits	AAS	Computer Science

Lewis and Clark Career Center

Welding	6-9			AAS	Industrial Maintenance Pipefitting
Data Management	3-6			AAS	Manufacturing Process
Design Drafting Technology/CAD	3-6			AAS	CAD/CAM Manufacturing Process
Electrical Trades	6-9			AAS	Electrical Technology Industrial Maintenance

Montgomery County R-II High School

Drafting and Design Technology	6			AAS	CAD/CAM Manufacturing Process
Electricity Technology	6			AAS	Industrial Maintenance Electrical Technology

South Callaway R-II High School

Ag. Construction/Structures	3			AAS	Industrial Maintenance
Electricity/Electronics	3			AAS	Industrial Maintenance

St. Louis Community District

Beaumont High School

AREA VOCATIONAL TECHNICAL SCHOOL				COMMUNITY COLLEGE	
SECONDARY Program Name	Maximum Credits	ADULT Program Name	Maximum Credits	Degree/ Certificate	Program Name
Technology	12			CS	CADD Certificate
Technology	12			AAS	Clinical Lab Technology
Family & Consumer Sci.	12			AAS	Dietetic Technology
Technology	12			AAS	Electronic Engineering Technology
Emergency Medical Tech.	12			CP	Emergency Medical Technology
Business	12			AAS	Information Systems
Technology	12			AAS	Manufacturing Technology
Berkeley High School					
Industrial Technology	12			AAS	Electrical Engineering Tech.
Business	12			AAS	Information Systems
Brentwood High School					
Business	12			AAS	Information Systems
Central/Visual Performing Arts High School					
Technology	12			CS	CADD Certificate
Technology	12			AAS	Clinical Lab Technology
Area Vocational Technical School Name: Eureka High School					
Industrial Technology	12			AAS	Electrical Engineering Tech.
Gateway High School					
Technology	12			CS	CADD Certificate
Technology	12			AAS	Clinical Lab Technology
Family & Consumer Science	12			AAS	Dietetic Technology
Technology	12			AAS	Electron. Engineering Tech.
Emergency Medical Tech.	12			CP	Emergency Medical Tech.
Business	12			AAS	Information Systems
Technology	12			AAS	Manufacturing Technology
Hancock Senior High School					
Business	12			AAS	Information Systems
Hazelwood Central High School					
Industrial Technology	12			AAS	Clinical Lab Technology

Industrial Technology	12				Principles of Technology
Hazelwood East High School					
Industrial Technology	12			AAS	Clinical Lab Technology
Industrial Technology	12				Principles of Technology
Hazelwood West High School					
Industrial Technology	12			AAS	Clinical Lab Technology
Industrial Technology	12				Principles of Technology
Ladue Horton Watkins High School					
Technology	12			AAS	Mechanical Engineering Tech.
Lafayette Senior High School					
Industrial Technology	12			AAS	Electrical Engineering Tech.
Lindbergh Senior High School					
Business	12			AAS	Information Systems
Technical Drafting	12			AAS	Graphic Communications
Maplewood-Richmond Heights High School					
Technology	12			AAS	Electrical Engineering Tech.
Technical Drafting	12			AAS	Graphic Communications
Business	12			AAS	Information Systems
Marquette Senior High School					
Industrial Technology	12			AAS	Electrical Engineering Tech.
McCluer High School					
Industrial Technology	12			AAS	Electrical Engineering Tech.
Business	12			AAS	Information Systems
McCluer North High School					
Chemistry	12			AAS	Chemical Technology
Industrial Technology	12			AAS	Electrical Engineering Tech.
Business	12			AAS	Information Systems
Mehlville High School					
Family & Consumer Science	12			AAS	Dietetic Technology
Technology	12			AAS	Electrical Engineering Tech.
Business	12			AAS	Information Systems
Metro High School					
Technology	12			CS	CADD Certificate
Technology	12			AAS	Clinical Lab Technology

Family & Consumer Sci.	12			AAS	Dietetic Technology
Technology	12			AAS	Electronic Engineering Technology
Emergency Medical Tech.	12			CP	Emergency Medical Tech.
Business	12			AAS	Information Systems
Technology	12			AAS	Manufacturing Technology
Normandy High School					
Family & Consumer Sci.	12			AAS	Dietetic Technology
North County Technical High School					
Technology	12			AAS	Clinical Lab Technology
Brick & Stone Masonry	Varies			apprentice	Construction Craft Laborers
Carpentry	Varies			apprentice	Construction Craft Laborers
Electrical Trades	Varies			apprentice	Construction Craft Laborers
Plumbing	Varies			apprentice	Construction Craft Laborers
Small Engines	Varies			apprentice	Construction Craft Laborers
Welding	Varies			apprentice	Construction Craft Laborers
Technology	12			AAS	Electrical Engineering Tech.
Carpentry	Varies			apprentice	Floorlayers
Technical Drafting	12			AAS	Graphic Communications
Welding	Varies			apprentice	Operating Engineer
Technical Drafting	12			AAS	Technical Graphics
Northwest High School					
Technology	12			CS	CADD Certificate
Technology	12			AAS	Clinical Lab Technology
Family & Consumer Sci.	12			AAS	Dietetic Technology
Technology	12			AAS	Electronic Engin. Tech.
Emergency Medical Tech.	12			CP	Emergency Medical Technology
Business	12			AAS	Information Systems
Technology	12			AAS	Manufacturing Technology
Oakville High School					
Family & Consumer Sci.	12			AAS	Dietetic Technology
Technology	12			AAS	Electrical Engineering Tech.
Business	12			AAS	Information Systems
Parkway Central High School					
Family & Consumer Sci.	12			AAS	Dietetic Technology
Business	12			AAS	Information Systems
Parkway North High School					
Family & Consumer Sci.	12			AAS	Dietetic Technology

Business	12			AAS	Information Systems
Parkway South High School					
Family & Consumer Sci.	12			AAS	Dietetic Technology
Business	12			AAS	Information Systems
Parkway West High School					
Family & Consumer Sci.	12			AAS	Dietetic Technology
Business	12			AAS	Information Systems
Pattonville High School					
Technology	12			AAS	Electrical Engineering Tech.
Riverview Gardens Senior High School					
Technical Drafting	12			AAS	Graphic Communications
Rockwood Summit High School					
Industrial Technology	12			AAS	Electrical Engineering Tech.
Area Vocational Technical School Name: Roosevelt High School					
Community where located: St. Louis City					
Technology	12			CS	CADD Certificate
Technology	12			AAS	Clinical Lab Technology
Family & Consumer Sci.	12			AAS	Dietetic Technology
Technology	12			AAS	Electronic Engin. Tech.
Emergency Medical Tech.	12			CP	Emergency Medical Tech.
Business	12			AAS	Information Systems
Technology	12			AAS	Manufacturing Technology
Soldan International Studies					
Technology	12			CS	CADD Certificate
Technology	12			AAS	Clinical Lab Technology
Family & Consumer Sci.	12			AAS	Dietetic Technology
Technology	12			AAS	Electronic Engin. Tech.
Emergency Medical Tech.	12			CP	Emergency Medical Tech.
Business	12			AAS	Information Systems
Technology	12			AAS	Manufacturing Technology
South County Technical High School					
Technology	12			AAS	Clinical Lab Technology
Brick & Stone Masonry	Varies			apprentice	Construction Craft Laborers
Carpentry	Varies			apprentice	Construction Craft Laborers
Electrical Trades	Varies			apprentice	Construction Craft Laborers
Plumbing	Varies			apprentice	Construction Craft Laborers
Small Engines	Varies			apprentice	Construction Craft Laborers

Welding	Varies			apprentice	Construction Craft Laborers
Technology	12			AAS	Electrical Engineering Tech.
Carpentry	Varies			apprentice	Floorlayers
Technical Drafting	12			AAS	Graphic Communications
Welding	Varies			apprentice	Operating Engineer
Technical Drafting	12			AAS	Technical Graphics
St. Louis Career Academy					
Technology	12			CS	CADD Certificate
Technology	12			AAS	Clinical Lab Technology
Family & Consumer Sci.	12			AAS	Dietetic Technology
Technology	12			AAS	Electronic Engin. Tech.
Emergency Medical Tech.	12			CP	Emergency Medical Tech.
Business	12			AAS	Information Systems
Technology	12			AAS	Manufacturing Technology
Sumner High School					
Technology	12			CS	CADD Certificate
Technology	12			AAS	Clinical Lab Technology
Family & Consumer Sci.	12			AAS	Dietetic Technology
Technology	12			AAS	Electronic Engin. Tech.
Emergency Medical Tech.	12			CP	Emergency Medical Tech.
Business	12			AAS	Information Systems
Technology	12			AAS	Manufacturing Technology
Valley Park Senior High School					
Technology	12			AAS	Electrical Engineering Tech.
Vashon High School					
Technology	12			CS	CADD Certificate
Technology	12			AAS	Clinical Lab Technology
Family & Consumer Sci.	12			AAS	Dietetic Technology
Technology	12			AAS	Electronic Engin. Tech.
Emergency Medical Tech.	12			CP	Emergency Medical Tech.
Business	12			AAS	Information Systems
Technology	12			AAS	Manufacturing Technology
Webster Groves High School					
Chemistry	12			AAS	Chemical Technology
West County Technical High School					
Technology	12			AAS	Clinical Lab Technology
Brick & Stone Masonry	Varies			apprentice	Construction Craft Laborers

Carpentry	Varies			apprentice	Construction Craft Laborers
Electrical Trades	Varies			apprentice	Construction Craft Laborers
Plumbing	Varies			apprentice	Construction Craft Laborers
Small Engines	Varies			apprentices	Construction Craft Laborers
Welding	Varies			apprentice	Construction Craft Laborers
Technology	12			AAS	Electrical Engineering Tech.
Carpentry	Varies			apprentice	Floorlayers
Technical Drafting	12			AAS	Graphic Communications
Welding	Varies			apprentice	Operating Engineer
Technical Drafting	12			AAS	Technical Graphics

State Fair Community College

Boonslick AVTS

AREA VOCATIONAL TECHNICAL SCHOOL				COMMUNITY COLLEGE	
SECONDARY Program Name	Maximum Credits	ADULT Program Name	Maximum Credits	Degree/ Certificate	Program Name
Agriculture	15			AAS	Agriculture
Agriculture	15			AAS	Horticulture
Automotive Mechanic	8			AAS	Automotive Technology
Business Applications	15			AAS	Business
Office Technology	15			AAS	Business
Electronics	15			AAS	Industrial Maintenance
Electronics	15			AAS	Electronics Technology
Health Occupations	6			AAS	Practical Nursing
Manufacturing Technology	11			AAS	Machine Tool Technology
Industrial Maintenance	15			AAS	Industrial Maintenance
Welding	15			AAS	Industrial Maintenance

Clinton AVTS

Agriculture	15			AAS	Agriculture
Agriculture	15			AAS	Horticulture
Automotive Mechanic	8			AAS	Automotive Technology
Building Trades	9			AAS	Building Materials Merchandising.
Business	15			AAS	Business
Computer Aided Drafting	3			AAS	Drafting/CAD
Health Occupations	6			AAS	Practical Nursing
Machine Tool Technology	11			AAS	Machine Tool Technology

HVAC	15			AAS	Industrial Maintenance
Machine Tool Technology	15			AAS	Industrial Maintenance
Marketing	15			AAS	Business

Lake AVTS

Automotive Mechanic	8			AAS	Automotive Technology
Office Tech	15			AAS	Business
Business/Marketing	15			AAS	Business
Horticulture	10			AAS	Agriculture
Health Occupations	6			AAS	Practical Nursing
Machine Tool Technology	11			AAS	Machine Tool Technology
Industrial Electronics	15			AAS	Industrial Electronics
Agriculture	10			AAS	Agriculture
Agriculture	10			AAS	Horticulture
Building Trades	9			AAS	Building Materials Merchandising
Building Trades	3			AAS	Computer Aided Drafting
Business/Marketing	15			AAS	Business
Electronics, Industrial	15			AAS	Industrial Maintenance
Horticulture	10			AAS	Horticulture
Metal Fabrication	11			AAS	Machine Tool
Metal Fabrication	15			AAS	Industrial Maintenance

Saline County Career Center

Agriculture	15			AAS	Agriculture
Automotive Mechanic	8			AAS	Automotive Technology
Business	15			AAS	Business
Marketing	15			AAS	Business
Electronics	15			AAS	Electronics Technology
Health Occupations	6			AAS	Practical Nursing
Construction Trades	3			AAS	Building Materials Merchandising
Agriculture	15			AAS	Horticulture
Electronics	15			AAS	Industrial Maintenance

State Fair AVTS

Agriculture Education	15			AAS	Agriculture
Agriculture Education	15			AAS	Horticulture
Building Trades	6			AAS	Building Material Merchandising
Automotive Mechanic	8			AAS	Automotive Technology
Business Tech	15			AAS	Business
Microcomputers	15			AAS	Business

Electronics	15			AAS	Electronics Technology
Health Occupations	6			AAS	Practical Nursing
Building Trades	6			AAS	Building Materials Merchandising
Machine Tool	15			AAS	Machine Tool Technology
Welding	15			AAS	Machine Tool Technology
Electronics	15			AAS	Industrial Maintenance
Graphic Arts	15			AAS	Business
Machine Tool	15			AAS	Industrial Maintenance
Microcomputers/Business	15			AAS	Business
Welding	15				Welding
Welding	15			AAS	Machine Tool
Welding	15			AAS	Industrial Maintenance

Warrensburg AVTS

Agriculture	15			AAS	Agriculture
Automotive Mechanics	8			AAS	Automotive Technology
Accounting	15			AAS	Business
Business Technology	15			AAS	Business
Computer Programming	15			AAS	Business
Marketing	15			AAS	Business
Health Occupations	6			AAS	Practical Nursing
Building Trades	3			AAS	Building Materials Merchandising
Agriculture	15			AAS	Horticulture

Tri-County Technical School

Agriculture/Horticulture	12			AAS	Agriculture
Auto Mechanics	8			AAS	Automotive Technology
Building Trades	3			AAS	Building Materials Merchandising
Office Technology	15			AAS	Business
Marketing	15			AAS	Business
Electronics	15			AAS	Industrial Electronics
Health Occupation	6			AAS	Practical Nursing
Agriculture/Horticulture	12			AAS	Horticulture
Agriculture/Horticulture	12			AAS	Custom Applicator Tech
Accounting	15			AAS	Business
		Adult Computer Applications	15	AAS	Business

Nichols Career Center

Agriculture/Horticulture	15			AAS	Agriculture
Auto Mechanics	8			AAS	Automotive Technology

Building Trades	9			AAS	Building Materials Merchandising
Marketing	15			AAS	Business
Electronics	15			AAS	CIS-Networking
Health Occupations	6			AAS	Practical Nursing
CAD	9			AAS	Building Materials Merchandising
CAD	9			AAS	CAD
Office Procedures	15			AAS	Business
Information Processing	15			AAS	Business
Electronics	15			AAS	Industrial Maintenance
Welding	15			AAS	Industrial Maintenance
Welding	15				Welding
Welding	15			AAS	Machine Tool
Radiologic Technology	15+			AAS	Radiation Technology

Carrollton AVTS

Agriculture/Horticulture	15			AAS	Agriculture
Business Technology	15			AAS	Business
Health Occupations	6			AAS	Practical Nursing
Marketing	15			AAS	Business
Agriculture/Horticulture	15			AAS	Horticulture
Agriculture/Horticulture	15			AAS	Custom Applicator Tech
Computer Business Appli.	15			AAS	Business
Microcomputers/ Entrep.	15			AAS	Business

Three Rivers Community College

Current River AVTS

AREA VOCATIONAL TECHNICAL SCHOOL				COMMUNITY COLLEGE	
SECONDARY Program Name	**Maximum Credits**	**ADULT Program Name**	**Maximum Credits**	**Degree/ Certificate**	**Program Name**
Data Processing I	3	Data Processing I	3	Certificate	Information SystemTechnology Microcomputer Support Tech Industrial Maintenance Industrial Technician Quality Control Technician Electrical Technician Machine Shop
Data Processing I	3	Data Processing I	3	AAS	Information Systems Technology Business Management Industrial Technology Accounting Technology Agri-technology Agribusiness
Data Processing II	3	Data Processing II	3	AAS	Information Systems Technology

Pemiscot County AVTS

Industrial Electronics	3	Industrial Electronics	3	AAS AAS	Industrial Technology Industrial Maintenance
Industrial Electronics	3	Industrial Electronics	3	Certificate AAS	Industrial Technician Electrical Technician

New Madrid County AVTS

Vocational Accounting	3	Vocational Accounting	3	Certificate	Business Management Office Assistant
Business Computer Applications	3	Business Computer Applications	3	AAS	Information Systems Technology
Business Computer Applications	3	Business Computer Applications	3	Certificate	Automated Office Certificate Office Assistant Certificate
Business Technology	3	Business Technology	3	AAS	Information Systems Technology Business Management Industrial Technology Accounting Technology Agritechnology Agribusiness Microsupport Technology

Business Technology	3	Business Technology	3	Certificate	Information System Technology Microcomputer Support Tech Industrial Maintenance Industrial Technician Quality Control Technician Electrical Technician Machine Shop
Business Computer Applications	6	Business Computer Applications	6	AAS	Information Systems Technology
Business Computer Applications	3	Business Computer Applications	3	Certificate	Automated Office
Electronics I	6	Electronics I	6	AAS	Industrial Maintenance
Electronics I	3	Electronics I	3	Certificate	Industrial Technician Electrical Technician
Machine Shop I	4	Machine Shop I	4	AAS	Industrial Maintenance
Machine Shop I	4	Machine Shop I	4	Certificate	Machine Shop
Plant Science & Advanced Crop Production	3	Plant Science & Advanced Crop Production	3	AAS	Agribusiness Agriculture Agritechnology
Horticulture & Nursery Landscaping	3	Horticulture & Nursery Landscaping	3	AAS	Agritechnology

Kennett AVTS

Office Technology I & II	3	Office Technology I & II	3	AAS	Accounting Technology Information Systems Tech. Microcomputer Support Tech.
Office Technology I & II	3	Office Technology I & II	3	Certificate	Automated Office Certificate Information Systems Tech.
Marketing Education	3	Marketing Education	3	AAS	Accounting Technology Agribusiness
Marketing Education	3	Marketing Education	3	Certificate	Business Management
Entrepreneurship & Free Enterprise Economics	3	Entrepreneurship & Free Enterprise Economics	3	AAS	Business Management
Office Tech I & II	3	Office Tech I & II	3	AA	Business Education
Office Tech I & II	3	Office Tech I & II	3	AAS	Information Systems Tech.
Office Tech I & II	3	Office Tech I & II	3	Certificate	Office Assistant
Electronics I & II	9	Electronics I & II	9	AAS	Industrial Technology
Electronics I & II	9	Electronics I & II	9	Certificate	Industrial Maintenance
Licensed Practical Nurse	N/A	Registered Nurse	25	ADN	Registered Nurse

Sikeston Career and Technology Center

Accounting I & II	3	Accounting I & II	3	AAS	Accounting Technology Business Education Business Management Information Systems Tech
Accounting I & II	3	Accounting I & II	3	Certificate	Management & Supervision Office Assistant
Office Technology	3	Office Technology	3	AAS	Information Systems Tech
Office Technology	3	Office Technology	3	Certificate	Automated Office Office Assistant Microcomputer Support Tech
Marketing II Advanced	3	Marketing II Advanced	3	AAS	Business Management
DC/AC Electronics	3	DC/AC Electronics	3	AAS	Industrial Technology
DC/AC Electronics	3	DC/AC Electronics	3	Certificate	Industrial Technician Electrical Technician
Computer Applications	3	Computer Applications	3	AAS	Information Systems Tech
Computer Applications	3	Computer Applications	3	Certificate	Automated Office Office Assistant
CAD	3	CAD	3	AAS	Industrial Technology
CAD	3	CAD	3	Certificate	Machine Shop
CAD	3	CAD	3	AA	Pre-Engineering
Marketing I & II	6	Marketing I & II	6	AAS	Business Management
Marketing I & II	3	Marketing I & II	3	Certificate	Entrepreneurship & Small Business
Licensed Practical Nurse	N/A	Licensed Practical Nurse	25	ADN	Registered Nurse

Poplar Bluff Technical Career Center

Marketing Education OJT Marketing Education II OJT	3	Marketing Education OJT & Marketing Education II OJT	3	AAS	Business Management
Marketing Education I	3	Marketing Education I	3	AAS	Accounting Technology
Marketing Education I	3	Marketing Education I	3	Certificate	Entrepreneurship and Small Business
Marketing Education II	3	Marketing Education II	3	AAS	Business Management
Machine I & 2	6	Machine I & 2	6	AAS	Industrial Maintenance
Machine I & 2	6	Machine I & 2	6	Certificate	Machine Shop
Licensed Practical Nurse	N/A	Licensed Practical Nurse	25	ADN	Registered Nurse

SMSU—West Plains

South Central Career Center

AREA VOCATIONAL TECHNICAL SCHOOL				COMMUNITY COLLEGE	
SECONDARY Program Name	Maximum Credits	ADULT Program Name	Maximum Credits	Degree/ Certificate	Program Name
Manufacturing Machine	13	Manufacturing Machine	25	AAS	Indus. Tech. – Manufacturing Machine
Drafting and Design	13	Drafting and Design	25	AAS	Indus. Tech. – Mechanical Drafting
Welding	13	Welding	25	AAS	Industrial Technology – Welding

Missouri Western State College

Area Vocational Technical School Name: Hillyard Technical Center

AREA VOCATIONAL TECHNICAL SCHOOL				COMMUNITY COLLEGE	
SECONDARY Program Name	Maximum Credits	ADULT Program Name	Maximum Credits	Degree/ Certificate	Program Name
Electronics	13			AS	EET (Electronics Engr Tech)
Electronics	10			AAS	MET (Mfg Engr Tech)
CAD	12			AS	CET (Constr Engr Tech)
CAD	10			AAS	MET
Carpentry	14			AS	CET
Precision Machining	12			AAS	MET
Welding	6			AAS	MET
Excelsior Springs Career Center					
Electronics	12			AS	EET
Carpentry	3			AS	CET
Drafting	6			AS	CET
North Central Area Vocational Technical School					
Welding	6			AAS	MET
Northland Career Center					
Electronics	12			AS	EET
Electronics	11			AAS	MET
Welding	6			AAS	MET
Grand River Technical School					
Electronics	12			AS	EET

GEOGRAPHIC and PROGRAMMATIC ACCESS

Table 6
TRANSFER AGREEMENTS BETWEEN
Two- and Four-year Baccalaureate Institutions
(Effective June 30, 2000)

Crowder College

Southwest Missouri State University

BACCALAUREATE INSTITUTION (Your Community College Students Transfer To:)			COMMUNITY COLLEGE (Your Students Transfer From)	
Degree	Bachelor Degree Major/Program	Maximum Credits	Degree/Certificate	Program Name
B.A.S.	Industrial Technology	60	AAS	Industrial Technology
Missouri Southern State College				
B.S.	Computer Science	60	AAS	Computer & Network Support Tech
B.S.	Manufacturing Information Mgmt Systems	60	AAS	Industrial Management
B.S.	Computer Assisted Drafting & Design	60	AAS	Drafting & Design Technology
Pittsburg State University, Kansas				
B.S.	Vocational-Technical Education	60	AAS	Industrial Technology

East Central College

Central Methodist College

BACCALAUREATE INSTITUTION (Your Community College Students Transfer To:)			COMMUNITY COLLEGE (Your Students Transfer From)	
Degree	Bachelor Degree Major/Program	Maximum Credits	Degree/Certificate	Program Name
BA, BS	Accounting	64	AAS	Accounting
BA, BS	Business Administration	64	AAS	Business
BA, BS	Criminal Justice	64	AAS	Criminal Justice
BSN	Nursing	62	AAS	Nursing
Southeast Missouri State University				
BS	Criminal Justice	64	AAS	Criminal Justice
BS	Food Service Hospitality Management	65	AAS	Hospitality
BS	Industrial Technology	64	AAS	Drafting & Design/Electronics
		65	AAS	Electronics
BS	Nursing	25	AAS	Nursing

BS	Industrial Technology	69	AAS	Industrial Engineering Technology

Southwest Missouri State University

BS	Electronics Engineering Technology	65	AAS	Electronics

Jefferson College

University of Missouri – St. Louis

BACCALAUREATE INSTITUTION (Your Community College Students Transfer To:)			COMMUNITY COLLEGE (Your Students Transfer From)	
Degree	Bachelor Degree Major/Program	Maximum Credits	Degree/Certificate	Program Name
BS	Business Administration	60	AAS	Business Management
BA	Communication	60	AA	Associate of Arts
BS	Criminology	60	AA	Criminal Justice
BS	Elementary Education	60	AAS	Elementary Education
BS	Nursing	60	AAS	Nursing
BS	Bachelor of Social Work	60	AA	Associate of Arts

Missouri Baptist College

BS BA	Management	70	AAS	Business
BS BA	Computer Information System	70	AAS	Computer Information System
BSN	Nursing	70	AAS	Nursing
BS BA	Administration of Justice	70	AA	Criminal Justice
BSE	Early Childhood Education	81	AAS	Early Childhood
BSE	Elementary Education	75	AAS	Elementary Education
BS BA	Psychology	70	AA	Associate of Arts
BS BA	Behavioral Science	70	AA	Associate of Arts
BPS	Applied Management	70	AAS	Business Management

Metropolitan Community Colleges

Columbia College

BACCALAUREATE INSTITUTION (Your Community College Students Transfer To:)			COMMUNITY COLLEGE (Your Students Transfer From)	
Degree	Bachelor Degree Major/Program	Maximum Credits	Degree/Certificate	Program Name
BS	Business Administration	81	AAS	Accounting
BS	Criminal Justice	81	AAS	Correctional Science
BS	Business Administration	81	AAS	Business
BS	Business Administration	81	AAS	Management
BS	Business Administration	81	AAS	Office Management

BS	Criminal Justice	81	AAS	Police Science
Missouri Western State College				
BS	Electronic Engineering	20 Gen Ed 44 Technical Ed	AAS	Electronic Engineering Technology
Northwest Missouri State University				
BS	Business	84	AAS	General Business
Graceland College				
BS	Education	64	AAS	Education
BS	Nursing	72	AAS	Nursing
Lincoln University				
BS	Accounting	66	AAS	Accounting
BS	Business	64	AAS	Business
BS	Education	64	AA	Education
BS	Correctional Science	63	AAS	Correctional Science
Missouri Valley				
BS	Human Services	66	AAS	Human Services
Park University				
BS	Management	66	AAS	Management
St. Louis University				
BS	Nursing	72	AAS	Nursing
St. Luke's University				
BS	Nursing	72	AAS	Nursing
St. Mary's College				
BS	Biology	64	AS	Biology
BS	Education	64	AA	Education
BS	Business	64	AAS	Business
BS	Human Services	66	AAS	Human Services
Southeast Missouri State University				
BS	Nursing	72	AAS	Nursing
BS	Criminal Justice	63	AA	Criminal Justice
BS	Drafting & Design Engineering Technology	62	AAS	Drafting Technology
BS	Industrial Technologies	64	AAS	Industrial Electrical
BS	Industrial Technologies	63	AAS	Machine Tool
BS	Industrial Management	65	AAS	Quality Assurance Technician
Southwest Baptist University				
BS	Nursing	72	AAS	Nursing

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University of Missouri—Kansas City

BS	Nursing	72	AAS	Nursing
BC	Chemistry	64	AAS	Nursing
BS	Computer Science Information Tech.	63	AAS	CSIS

Webster University

BS	Business	64	AAS	Business
BS	Nursing	72	AAS	Nursing
BS	Computer Science Information Technology	63	AAS	CSIS

Avila

BS	Biology	62 plus	AAS	Biology
BS	Chemistry	64 plus	AAS	Chemistry

Mineral Area College

Southeast Missouri State University

BACCALAUREATE INSTITUTION (Your Community College Students Transfer To:)			COMMUNITY COLLEGE (Your Students Transfer From)	
Degree	**Bachelor Degree Major/Program**	**Maximum Credits**	**Degree/Certificate**	**Program Name**
B.S.	Industrial Technology (Technology)	59-77 (Details are not totally formalized.)	A.A.S.	Industrial Maintenance
B.S.	Industrial Technology (Electronics)	59	A.S.	Electrical/Electronics Technology
B.S.	Industrial Technology (Industrial Management)	(Details are being discussed.)	A.A.S.	Operations Management and Manufacturing Supervision
B.S.	Industrial Technology (Visual Communications)	Approximately 59	A.S.	Graphics Technology
B.S.	Industrial Technology (Technology)	Approximately 59	A.S.	Advanced Technology
B.S.	NOT YET DETERMINED	(Details are being discussed.)	A.A.S.	Operations Management and Manufacturing Supervision
B.S.	NOT YET DETERMINED	(Details are being discussed.)	A.A.S.	Computer Networking
B.S.	NOT YET DETERMINED	(Details are being discussed.)	A.A.S.	Occupational Safety Health and Environment Technology

Moberly Area Community College

Central Missouri State University

BACCALAUREATE INSTITUTION (Your Community College Students Transfer To:)			COMMUNITY COLLEGE (Your Students Transfer From)	
Degree	**Bachelor Degree Major/Program**	**Maximum Credits**	**Degree/Certificate**	**Program Name**
BS Applied Technology	Industrial Technology	45 Technical 18 General Ed.	AAS	Industrial Technology Industrial Elec./Elec. Technology Graphic Arts Technology Drafting and Design Technology Computer Information Systems

Columbia College

BS	Computer Science	74	AAS	Computer Information Systems

Hannibal LaGrange College

BS	Criminal Justice	64	AAS	Law Enforcement

Blessing – Rieman College of Nursing

BSN	Nursing	To Be Determined	ADN	Nursing

Kansas State University

BS	Architecture Interior Architecture Landscape Architecture	32	AAS	Drafting Design Technology

North Central Missouri College

Missouri Western State College

BACCALAUREATE INSTITUTION (Your Community College Students Transfer To:)			COMMUNITY COLLEGE (Your Students Transfer From)	
Degree	**Bachelor Degree Major/Program**	**Maximum Credits**	**Degree/Certificate**	**Program Name**
Bachelor of Science of Technology	Technology	60	AAS	Technology Industrial Maintenance

Northwest Missouri State University

Bachelor of Technology in Management	Management	60	AAS	Technology Industrial Maintenance

Ozarks Technical Community College

Drury University

BACCALAUREATE INSTITUTION (Your Community College Students Transfer To:)			COMMUNITY COLLEGE (Your Students Transfer From)	
Degree	**Bachelor Degree Major/Program**	**Maximum Credits**	**Degree/Certificate**	**Program Name**
BGS (Bachelor of General Studies)	The completed AAS technical degree is recognized as constituting a complete and individualized major.	64	AAS	Electronics Technology Computers and Networks Computer Information Technology Printing/Graphics Technology Heating, Refrigeration & AC Industrial Maintenance Technology Machine Tool Technology Drafting and Design Technology Welding Technology

Southwest Missouri State University

BAS	Technology	64	AAS	Electronics Technology
		65	AAS	Computers and Networks
		66	AAS	Computer Information Technology
		66	AAS	Printing/Graphics Technology
		65	AAS	Heating, Refrigeration & AC
		67	AAS	Industrial Maintenance Technology
		68	AAS	Machine Tool Technology
		63	AAS	Drafting and Design Technology
		65	AAS	Welding Technology

Central Missouri State University

BS	Industrial Technology	64	AAS	Electronics Technology
		64	AAS	Computers & Networks
		64	AAS	Printing/Graphics Technology
		64	AAS	Heating, Refrigeration & AC
		64	AAS	Industrial Maintenance Technology
		64	AAS	Machine Tool Technology
		64	AAS	Drafting and Design Technology
		64	AAS	Welding Technology
BS	Computer Information Systems	42	AAS	Computer Information Technology

BS	Graphic Arts Technology-Management	62	AAS	Printing/Graphics Technology
BS	Drafting Technology	45	AAS	Drafting & Design Technology
BS	Electronics Technology	39	AAS	Electronics Technology

St. Charles County Community College

University of Missouri—St. Louis

BACCALAUREATE INSTITUTION (Your Community College Students Transfer To:)			COMMUNITY COLLEGE (Your Students Transfer From)	
Degree	**Bachelor Degree Major/Program**	**Maximum Credits**	**Degree/Certificate**	**Program Name**
BSE	Engineering—Selected fields	68 credits	AS	Pre-engineering
Southeast Missouri State Univ.				
BS	Computer Science-Scientific Option	66	AA	Computer Science
BS	Computer Science-System Option	66		Computer Science
BS	Applied Computer Science-Information Systems Option	65	AA	Computer Science
BS	Applied Computer Science-Technology Option	65	AA	Computer Science
BS	Criminal Justice—Law Enforcement	65	AA	Criminal Justice
BS	Criminal Justice-Law Enforcement or Corrections	65	AAS	Criminal Justice
BSN	Nursing	76	AS	Nursing
BS	Industrial Technology	64	AAS	Electronics Engineering
BS	Industrial Technology	69	AAS	Electronics Engineering
St. Louis University				
BSN	Nursing	64	AS	Nursing
Maryville University				
BSN	Nursing	73	AS	Nursing
Webster University				
BS	Computer Science	64	AA	Computer Science
BS	Computer Science-Information Management	64	AA	Computer Science
BS	Computer Science-Info Technology	64	AA	Computer Science
BSN	Nursing	76	AS	Nursing
Central Missouri State University				
BS	Criminal Justice	64	AA	Criminal Justice
BS	Electrical Technology	64	AAS	Electronics
BS	Computer Aided Drafting & Design	65	AAS	Computer Aided Drafting

St. Louis Community College District

Central Missouri State University

BACCALAUREATE INSTITUTION (Your Community College Students Transfer To:)			COMMUNITY COLLEGE (Your Students Transfer From)	
Degree	Bachelor Degree Major/Program	Maximum Credits	Degree/Certificate	Program Name
BS	Industrial Technology	64	AAS	Skilled Trades – Industrial Apprenticeship Training
BS	Construction Technology	68	AAS	Construction Technology

Southeast Missouri State University

BS	Agriculture	64	AAS	Horticulture
BSE	Industrial Education	78	AS	Technology Education
BS	Industrial Technology	71	AAS	Technology (various)

State Fair Community College

Central Missouri State University

BACCALAUREATE INSTITUTION (Your Community College Students Transfer To:)			COMMUNITY COLLEGE (Your Students Transfer From)	
Degree	Bachelor Degree Major/Program	Maximum Credits	Degree/Certificate	Program Name
BS	Industrial Facilities Management	64 hours	AAS	Industrial Maintenance Technology
BS	Manufacturing Management	64 hours	AAS	Industrial Maintenance Technology
BS	Construction Management	64 hours	AAS	Industrial Maintenance Technology
BS	Industrial Technology	64 hours	AAS	Industrial Maintenance Technology
BS	Agriculture Business	64 hours	AAS	Agriculture Business
BS	Agriculture Economics	64 hours	AAS	Agriculture Economics
BS	Agriculture Technology	64 hours	AAS	Agriculture Technology
BS	Automotive/Power Technology	64 hours	AAS	Electronics Technology
BS	Electronics Technology/Computer Specialization	64 hours	AAS	Electronics Technology
BS	Electronics Technology/Electrical Comm.	64 hours	AAS	Electronics Technology
BS	Electronics Technology/Electrical Specialization	64 hours	AAS	Electronics Technology

BS	Horticulture	64 hours	AAS	Horticulture
BS	Industrial Technology	64 hours	AAS	Industrial Maintenance
BS	Electronics-Computers	64 hours	AAS	Computer Information Systems-Networking
BS	Computer Information Systems	64 hours	AAS	Computer Information Systems
BS	Drafting Technology	64 hours	AAS	Computer Aided Drafting
BS	Manufacturing Technology	64 hours	AAS	Manufacturing Engineering
BS	Industrial Technology	64 hours	AAS	Marine Mechanics Technology
BS	Aerospace Technology	64 hours	AAS	Manufacturing Engineering

Southwest Missouri State University

BS	Applied Science Technology	64 hours	AAS	Industrial Maintenance Tech.
BS	Applied Science Technology	64 hours	AAS	Automotive Technology
BS	Applied Science Technology	64 hours	AAS	Marine Technology
BS	Applied Science Technology	64 hours	AAS	Manufacturing Engineering
BS	Applied Science Technology	64 hours	AAS	Machine Tool Technology
BS	Applied Science Technology	64 hours	AAS	Industrial Electronics Tech.
BS	Drafting	64 hours	AAS	CAD
BS	Business	64 hours	AAS	CIS-Programming
BS	Business	64 hours	AAS	CIS-Networking
BS	Business	64 hours	AAS	Business
BS	Nursing	64 hours	AAS	Nursing

Lincoln University

BS	Accounting	64 hours	AAS	Accounting
BS	Business Administration	64 hours	AAS	Business
BS	Computer Information Systems	64 hours	AAS	Computer Information Systems

Three Rivers Community College

Southeast Missouri State University

BACCALAUREATE INSTITUTION (Your Community College Students Transfer To:)			COMMUNITY COLLEGE (Your Students Transfer From)	
Degree	**Bachelor Degree Major/Program**	**Maximum Credits**	**Degree/Certificate**	**Program Name**
BS	Industrial Technology	64	AAS	Industrial Technology

SMSU—West Plains

Southwest Missouri State University

BACCALAUREATE INSTITUTION (Your Community College Students Transfer To:)			COMMUNITY COLLEGE (Your Students Transfer From)	
Degree	**Bachelor Degree Major/Program**	**Maximum Credits**	**Degree/Certificate**	**Program Name**
Bachelor of Applied Science	Technology	Full AAS Degree	AAS	All AAS Degrees from SMSU-WP Computer Technology Industrial Technology General Technology

Missouri Western State College (Not Applicable)

GEOGRAPHIC and PROGRAMMATIC ACCESS

Table 7
TRANSFER AND PARTNERSHIP AGREEMENTS BETWEEN
Private Career (Proprietary Schools) and Two-year Institutions
(Effective June 30, 2000)

Crowder College

PRIVATE CAREER SCHOOL CONTRACTOR			COMMUNITY COLLEGE	
School Name	**School Location**	**Course/Programs**	**Degree/Certificate**	**Program Name**
Missouri Welding Institute	Nevada	Welding	Certificate	Welding Technology

East Central College (None)

Jefferson College (None)

Metropolitan Community Colleges

PRIVATE CAREER SCHOOL CONTRACTOR			COMMUNITY COLLEGE	
School Name	**School Location**	**Course/Programs**	**Degree/Certificate**	**Program Name**
DeVry Institute of Technology	Kansas City	BS in Technical Management	AAS	1. Computer Science/Information 2. Industrial Electrical 3. Industrial Maintenance 4. Stationary Engineer 5. Heating, Ventilating & Air Conditioning 6. Machine Tool Technology 7. Construction Carpentry 8. Construction Cement 9. Masons & Construction 10. Construction Iron Working 11. Millwright 12. Environmental Health & Safety Technology 13. Aviation Maintenance Technology 14. Power Plant Emphasis 15. Automotive Technology Mechanical 16. Automotive Merchandising 17. Quality Assurance Technology
DeVry (continued from previous page)	Kansas City	BS in Technical Management	AAS	18. Accounting 19. General Business 20. Drafting
DeVry	Kansas City	BS in Electronics Technology	AAS	Electronics Engineering Tech
Deaconess College of Nursing	KCMO	BS in Nursing	AAS	Nursing
Cleveland Chiropractic	KCMO	BS in Biology	AAS	Biology
Harmon Industries	Blue Springs	Signalman Training Program (Pending articulation of hours)	AAS	Electronics Engineering Tech

Mineral Area College

PRIVATE CAREER SCHOOL CONTRACTOR			COMMUNITY COLLEGE	
School Name	School Location	Course/Programs	Degree/Certificate	Program Name
Houston Training Institute	Houston	TBA	A.A.S.	TBA

Moberly Area Community College

PRIVATE CAREER SCHOOL CONTRACTOR			COMMUNITY COLLEGE	
School Name	School Location	Course/Programs	Degree/Certificate	Program Name
Ecollege.com	Denver CO	Computer Information Systems via internet	AAS/Cert.	Computer Information Systems

North Central Missouri College (None)

Ozarks Technical Community College (None)

St. Charles County Community College (None)

St. Louis Community College

PRIVATE CAREER SCHOOL CONTRACTOR			COMMUNITY COLLEGE	
School Name	School Location	Course/Programs	Degree/Certificate	Program Name
Ranken Technical School	St. Louis/Cornerstone	Production Machining	Certificate	Integrated Manufacturing Technology
		Industry Certificate Program		Integrated Manufacturing Technology

State Fair Community College (None)

Three Rivers Community College (None)

SMSU—West Plains (None)

Missouri Western State College (None)

GEOGRAPHIC and PROGRAMMATIC ACCESS

Table 8
TRANSFER AND PARTNERSHIP AGREEMENTS BETWEEN
Labor Union Apprenticeship Schools and Institutions
(Effective June 30, 2000)

Crowder College

APPRENTICESHIP TRAINING PARTNERS (Transferred to Community College)				COMMUNITY COLLEGE (Received in Transfer)	
Apprenticeship School Name	School Location	Apprenticeship Program Name	Maximum Credits	Degree/ Certificate	Program Name
Association of General Contractors	Crowder College	Commercial Construction Apprenticeship	30	AAS	Construction Technology

East Central College

APPRENTICESHIP TRAINING PARTNERS (Transferred to Community College)				COMMUNITY COLLEGE (Received in Transfer)	
Apprenticeship School Name	School Location	Apprenticeship Program Name	Maximum Credits	Degree/ Certificate	Program Name
US Department of Labor, Bureau of Apprenticeship And Training	TTC	Tool Machinist & Mold Making	21	AAS	Precision Machining Technology

Jefferson College

APPRENTICESHIP TRAINING PARTNERS (Transferred to Community College)				COMMUNITY COLLEGE (Received in Transfer)	
Apprenticeship School Name	School Location	Apprenticeship Program Name	Maximum Credits	Degree/ Certificate	Program Name
Asbestos Worker	St. Louis		45 hrs on each below	AAS	Apprenticeship Specialties
Boilermaker					
Bricklayer					
Carpenter					
Carpenter/Millwright					
Cement Mason					
Communications Worker					
Electrician					
Floor Layer					
Glazier/Glass Worker					
Ironworker					
Machinist					
Mold Maker					
Operating Engineer					
Painter					
Painter/Decorator					
Pipefitter					
Plasterer					
Plumber					
Roofer					
Sheet Metal Worker					
Sprinkler Fitter					
Stationary Engineer					
Tile Layer/Marble Setter					
Toolmaker					

Metropolitan Community Colleges

APPRENTICESHIP TRAINING PARTNERS (Transferred to Community College)				COMMUNITY COLLEGE (Received in Transfer)	
Apprenticeship School Name	School Location	Apprenticeship Program Name	Maximum Credits	Degree/ Certificate	Program Name
Greater Kansas City Builder's Association	North Kansas City	Construction Carpentry	30	AAS	Industrial Technologies
Greater Kansas City Builder's Association	North Kansas City	Construction Iron Working	30	AAS	Industrial Technologies
Greater Kansas City Builder's Association	North Kansas City	Construction Masonry	30	AAS	Industrial Technologies
Construction Carpenters Union	St. Joseph	Construction Carpentry	30	AAS	Industrial Technologies
Greater Kansas City Builder's Association	North Kansas City	Construction Glaziers	30	AAS	Industrial Technologies
Greater Kansas City Builder's Association	North Kansas City	Construction Brick Layers	30	AAS	Industrial Technologies
International Brotherhood of Electrical Workers	NECA Chapter Kansas City MO	Inside Wireman	15	AAS	Industrial Technologies
Associated Builders & Contractors, Inc. Heart of America Chapter	Mission, KS	Cement Mason	30	AAS	Industrial Technologies
ABC Inc.	Mission, KS	Carpentry	30	AAS	Industrial Technologies
ABC Inc.	Mission, KS	Glazier	30	AAS	Industrial Technologies
ABC Inc.	Mission, KS	Structural Steel Worker	30	AAS	Industrial Technologies
ABC Inc.	Mission, KS	Iron Working	30	AAS	Industrial Technologies
ABC Inc.	Mission, KS	Cement Masonry	30	AAS	Industrial Technologies
ABC Inc.	Mission, KS	Brick Layer	30	AAS	Industrial Technologies
ABC Inc.	Mission, KS	Painter	30	AAS	Industrial Technologies

Mineral Area College

APPRENTICESHIP TRAINING PARTNERS (Transferred to Community College)				COMMUNITY COLLEGE (Received in Transfer)	
Apprenticeship School Name	School Location	Apprenticeship Program Name	Maximum Credits	Degree/ Certificate	Program Name
Ironworkers Associated General Contractors of St. Louis	St. Louis	Ironworkers Joint Apprenticeship Program (Approximately 19 different trade areas will be represented in the final certificate and degree program. Submission to CBHE anticipated August 2000.)	(Finalizing number at this time.)	A.A.S.	Skilled Trades Technology

Moberly Area Community College

APPRENTICESHIP TRAINING PARTNERS (Transferred to Community College)				COMMUNITY COLLEGE (Received in Transfer)	
Apprenticeship School Name	School Location	Apprenticeship Program Name	Maximum Credits	Degree/ Certificate	Program Name
Hubbell/A.B. Chance	Centralia	Maintenance General	30	AAS/Cert.	Industrial Technology
		Maintenance Mechanic	36		Industrial Technology
		Mobile Equip. Repairman	33		Industrial Technology
		Maintenance HVAC Spec.	36		Industrial Technology
		Maintenance Electrician	36		Industrial Elec./Elec. Tech.
		Machinist Conventional	33		Industrial Technology
		DieMaker Conventional	9		Industrial Technology
		Machinist EDM	33		Industrial Technology
		DieMaker EDM	9		Industrial Technology
		Pattern Maker	35		Industrial Technology
Dura Automotive	Moberly	Machine Tool	12	AAS/Cert	Industrial Technology
		Electrical Controls	12		Indus. Electricity/Electronics
Summit Polymers	Columbia	Machine Repair	39	AAS./Cert.	Industrial Technology
		Mold Repair	39	AAS/Cert.	Industrial Technology
		Tool Maker	39	AAS/Cert.	Industrial Technology

North Central Missouri College (None)

Ozarks Technical Community College

APPRENTICESHIP TRAINING PARTNERS (Transferred to Community College)				COMMUNITY COLLEGE (Received in Transfer)	
Apprenticeship School Name	School Location	Apprenticeship Program Name	Maximum Credits	Degree/ Certificate	Program Name
Springfield Carpenter's Union	Springfield	Carpentry Journeyman Apprenticeship	6-18 months	Certificate or AAS	Construction Technology
Kansas City Builders Association	North Kansas City	Construction Iron Worker Journeyman Apprenticeship	6-18 months	Certificate or AAS	Welding Technology
	North Kansas City	Construction Carpentry Journeyman Apprenticeship	6-18 months	Certificate or AAS	Construction Technology
	Kansas City	International Brotherhood of Electrical Workers Electrician Journeyman Apprenticeship	6-18 months	Certificate or AAS	Industrial Maint.Tech. Industrial Electronics Tech.
OTC/Positronic Industries Non Union Apprenticeship Program	Springfield	Positronic Industries machine Tool Journeyman Apprentice.	288 hours	Certificate or AAS	Machine Tool Technology

St. Charles County Community College

APPRENTICESHIP TRAINING PARTNERS (Transferred to Community College)				COMMUNITY COLLEGE (Received in Transfer)	
Apprenticeship School Name	School Location	Apprenticeship Program Name	Maximum Credits	Degree/ Certificate	Program Name
General Motors	Wentzville		TBA		To Be Determined
City of St. Charles	St. Charles	Apprenticeship Program	TBA		To Be Determined
Boilermaker Apprenticeship	St. Louis		40	AAS	Apprenticeship Training
Bricklayers Apprenticeship	St. Louis		40	AAS	Apprenticeship Training.
Carpenters Joint Apprentice.	St. Louis		40	AAS	Apprenticeship Training.
Cement Masons Apprentice	St. Louis		40	AAS	Apprenticeship Training.
Construction Craft Apprentice.	High Hill		40	AAS	Apprenticeship Training.
Electrician Apprenticeship	St. Louis		40	AAS	Apprenticeship Training.
Elevator Construction	St. Louis		40	AAS	Apprenticeship Training.
Floorlayers Apprenticeship	St. Louis		40	AAS	Apprenticeship Training.

Glaziers, Architectural Metal and Glassworkers	St. Louis		40	AAS	Apprenticeship Training.
Insulation and Asbestos	St. Louis		40	AAS	Apprenticeship Training.
Iron Workers Apprenticeship	St. Louis		40	AAS	Apprenticeship Training.
Operation Engineers	Eolia		40	AAS	Apprenticeship Training.
Painter, Wallpaper Hanger or Drywall Tapers	St. Louis		40	AAS	Apprenticeship Training.
Pipefitter Apprenticeship	St. Louis		40	AAS	Apprenticeship Training.
Plasterers Apprenticeship	St. Louis		40	AAS	Apprenticeship Training.
Plumbers Apprenticeship	Fulton		40	AAS	Apprenticeship Training.
Roofer Apprenticeship	St. Louis		40	AAS	Apprenticeship Training.
St. Louis Carpenters	St. Louis		40	AAS	Apprenticeship Training
Sheet Metal Apprenticeship	St. Louis		40	AAS	Apprenticeship Training
Tile Setters Apprenticeship	St. Louis		40	AAS	Apprenticeship Training

St. Louis Community College District

APPRENTICESHIP TRAINING PARTNERS (Transferred to Community College)				COMMUNITY COLLEGE (Received in Transfer)	
Apprenticeship School Name	School Location	Apprenticeship Program Name	Maximum Credits	Degree/ Certificate	Program Name
IBEW	St. Louis	Electrician	34	AAS	Skilled Trades
Construction Training School	St. Louis	Millwright	34	AAS	Skilled Trades
Plumbers/Pipefitters	St. Louis	Plumbing & Pipefitting	34	AAS	Skilled Trades
Brick Layers	St. Louis	Brick Layers	34	AAS	Skilled Trades
AGC Apprenticeship Training	St. Louis	Carpenters	34	AAS	Construction Technology

State Fair Community College

APPRENTICESHIP TRAINING PARTNERS (Transferred to Community College)				COMMUNITY COLLEGE (Received in Transfer)	
Apprenticeship School Name	School Location	Apprenticeship Program Name	Maximum Credits	Degree/ Certificate	Program Name
Electricians	Jefferson City	Electricians LU #257	9	AAS	Industrial Maint. Tech
Electricians	Kansas City, MO	Electricians LU #124 JATC	9	AAS	Industrial Maint. Tech.

Three Rivers Community College (None)

SMSU-West Plains (None)

Missouri Western State College (None)

GEOGRAPHIC AND PROGRAMMATIC ACCESS

Table 9
DETAIL OF PARTICIPATION IN TARGETED TECHNICAL PROGRAMS
Delivered by Instructional Television Networks
FY 2000 (Year four)

Crowder College

Degree/ Certificate	Program Name	Course/Section/Titles Delivered	Site Transmitting	Site(s) Receiving	Completers (Duplicated)
AAS	Industrial Technology	Industrial Management	Webb City	Nevada Reg Tech Center/ Nevada, Crowder College/ Neosho	21
		Industrial Technology	Webb CityCrowder College Watley Center/Cassville	Nevada, Crowder College/ Neosho, Cassville, Crowder College/Neosho Crowder College RTEC, Nevada	20 12
		General Education Support Courses	Crowder College/Neosho	Crowder College RTEC, Nevada, Cassville	125**

East Central College (None)

Jefferson College (None)

Metropolitan Community Colleges

Degree/ Certificate	Program Name	Course/Section/Titles Delivered	Site Transmitting	Site(s) Receiving	Completers (Duplicated)
AAS	Industrial Technologies	Intermediate Algebra	Longview.	Cass Career Center	3
		Composition & Reading I	Longview	Cass Career Center,	2
		American History I	Longview	Cass Career Center,	2
		American History II	Longview	Cass Career Center,	4
AAS	Environmental Health & Safety Technologies	Properties & Hazards of Hazardous Materials	BTC	Cass Career Center,	1
		Introduction to Health & Safety Regulations	BTC	Cass Career Center,	2
Certificate	Telecommunications Technology	Introduction to Telecommunications Careers	BTC	Cass Career Center,	1
AAS	Industrial Technologies	Introduction to Algebra	Longview	Lex La-Ray Technical Cent.	2
		Composition & Reading II	Longview	Lex La-Ray Technical Cent.	1
		Intro to Philosophy	Longview	Lex La-Ray Technical Cent.	2
AAS	Fire Science Technology	Fire Fighting Tactics & Strat.	Longview	Lex La-Ray Technical Cent.	2
AAS	Industrial Technologies	Introduction to Algebra	Longview	Northland Career Center	2
AAS	Industrial Technologies	Composition & Reading II	UMKC, Kansas City	Excelsior Springs Career Cent.	1
		Introduction to Algebra	Longview	Excelsior Springs Career Cent.	1
		American History II	Longview	Excelsior Springs Career Cent.	2
AAS	Environmental Health & Safety Technology	Safety & Health Regulations and Standards	BTC	Ft. Osage AVTS	1
AAS	Industrial Technologies	Composition & Reading II	Longview	Ft. Osage AVTS	1
		American History I	UMKC	Joe Herndon Career Center	2

Mineral Area College

Degree/ Certificate	Program Name	Course/Section/Titles Delivered	Site Transmitting	Site(s) Receiving	Completers (Duplicated)
Associate	All Programs and AASs s	College Algeba/Trigonometry	Mineral Area College	South Iron	2
Secondary	All Programs	ACT Prep	Central R-3, Park Hills	Arcadia Valley	11
Secondary	All Programs	Spanish I	Winona	Bismarck	9
Secondary	All Programs and AASs	American History	Potosi	Arcadia Valley	13
Secondary	All Programs	Spanish I	Potosi	Valley of Caledonia	14

Secondary	All Programs	Spanish II	Potosi	Valley of Caledonia	6
Secondary	All Programs	English IV	Arcadia Valley	Valley of Caledonia Fredericktown	6
Secondary	All Programs and AASs	Missouri History	Mineral Area College	Arcadia Valley	8
Associate	All Programs and AASs s	American National Government	Mineral Area College	South Iron	4
Secondary	All Programs	Spanish II	South Iron	Bismarck Lesterville	6
Secondary	All Programs	Physics	Central R-3 Park Hills	Lesterville	2
Secondary	All Programs	Trig/Math Analysis	Potosi	South Iron	16
Associate	All Programs and AASs	American History II	Mineral Area College	South Iron	10
Secondary	All Programs	AP Chemistry	SEMO	South Iron	2
Secondary	All Programs	American History	Valley of Caledonia	Arcadia Valley	11
Associate	All Programs	Marketing	Mineral Area College	Potosi	6
Associate	All Programs	Principles of Macroeconomics	Mineral Area College	Potosi	11
Associate	All Programs and AASs	English Composition I	Mineral Area College	Arcadia Valley	5
Associate	All Programs and AASs	Trigonometry	Mineral Area College	Potosi	2
Associate	All Programs	Human Resources Management	Mineral Area College	Potosi	1
Associate	All Programs	Intro to Economics	Mineral Area College	Potosi Fredericktown	12
Associate	All Programs and AASs specifically	English Composition I	Mineral Area College	Emminence	15
Associate	All Programs	Intro Lit/Prose/Poetry	Mineral Area College	Valley R-6	6
Associate	All Programs and AASs specifically	Trigonometry	Mineral Area College	South Iron	1
Associate	All Programs	Elementary German	Mineral Area Collegells	Jefferson College	7
Associate	All Programs	Intro to Business	Mineral Area College	Potosi Fredericktown	8
Associate	All Programs and AASs	American National Government	Mineral Area College	Arcadia Valley South Iron	1

Moberly Area Community College

Degree/ Certificate	Program Name	Course/Section/Titles Delivered	Site Transmitting	Site(s) Receiving	Completers (Duplicated)
AAS/Cert.	Industrial Elec./Elec. Tech.	Technical Math National Electric Code Fluid Power Industrial Automation & Robotics Solid State & Variable Speed Drives	Moberly Hannibal Hannibal Moberly Hannibal	Hannibal Moberly Moberly Hannibal Moberly	19 13 7 7 7
AAS/Cert.	Child Care	Pri. Of Development in Child Care Pri. Of Early Childhood	Moberly Moberly	Hannibal Hannibal	18 16
AA		Introduction to Ethics	Moberly	Hannibal	14

North Central Missouri Community College

Degree/ Certificate	Program Name	Course/Section/Titles Delivered	Site Transmitting	Site(s) Receiving	Completers (Duplicated)
Associate	General Education	College Algebra	Green City	Milan Novinger Unionville	9
Associate	General Education	Speech	Linn County	Princeton	9
Associate	General Education	English I	Green City	Milan Novinger	14
Associate	General Education	General Sociology	Green City	Milan Novinger Unionville	22
Associate	General Education	English I	Bethany	North Daviess North Harrison Ridgeway, South Harrison	17
Associate	General Education	Spanish I	NWMSU, Maryville	NCMC, Trenton	22
Associate	General Education	College Algebra	Harrison County	Dorth Daviess Ridgeway South Harrison	14

Associate	General Education	English I	Galt	North Mercer Newtown Harris	19
Associate	General Education	College Algebra	Galt	Linn County North Mercer Newtown Harris	13
Associate	General Education	College Algebra	Cainsville	North Harrison	30
Associate	General Education	American History I	Galt	Linn County North Mercer Newtown Harris	16
Associate	General Education	American History I	Harrison County	Pattonsburg	16
Associate	General Education	English I	Harrison County	Cainsville	6
Associate	General Education	Speech	Gallatin	NorthDaviess Ridgeway	8
Associate	General Education	Trigonometry	Green City	Milan Unionville	14
Associate	General Education	English II	Green City	Milan	13
Associate	General Education	Principles of Economics	Green City	Milan Mercer Unionville	23
Associate	General Education	English II	Bethany	North Daviess North Harrison Ridgeway South Harrison	17
Associate	General Education	Credit & Finance	NCMC, Trenton	Brookfield	20
Associate	General Education	Intro to World Geography	Brookfield	NCMC, Trenton Bethany	18
Associate	General Education	Trigonometry	Harrison County	Ridgeway South Harrison	11
Associate	General Education	English II	Galt	North Mercer Newtown Haris	14
Associate	General Education	Speech	Galt	Linn County North Mercher Newtown Harris	11
Associate	General Education	Trigonometry	Galt	North Mercer Newtown Harris	7
Associate	General Education	Trigonometry	Cainsville	North Harrison	3

Associate	General Education	National Government	Galt	Linn County North Mercer Newtown Harris	15
Associate	General Education	Spanish I	Brookfield	NCMC, Trenton Bethany	28
Associate	General Education	Spanish II	NWMSU, Maryville	NCMC, Trenton	2
Associate	General Education	American History II	Harrison County	Pattonsburg	16
Associate	General Education	English II	Harrison County	Cainsville	6

Ozarks Technical Community College

Degree/ Certificate	Program Name	Course/Section/Titles Delivered	Site Transmitting	Site(s) Receiving	Completers (Duplicated)
Associate	General Education	Introduction to Psychology	Ozarks Technical Community College	Willard High School Republic High School	10
Associate	General Education	Beginning German I	Ozarks Technical Community College	Willard High School Republic High School	4
Associate	General Education	Introduction to Sociology	Ozarks Technical Community College	Willard High School Republic High School	23

St. Charles County Community College

Degree/ Certificate	Program Name	Course/Section/Titles Delivered	Site Transmitting	Site(s) Receiving	Completers (Duplicated)
Associate	Remedial Education	Developmental Math II	SCCCC	Pike Lincoln AVTS-Eolia South Callaway HS-Mokane Montgomery City HS	3 0 1
Associate	General Education	Beginning Algebra	SCCCC	Pike Lincoln AVTS-Eolia South Callaway HS-Mokane Montgomery City HS	4 1 5
Associate	General Education	Intermediate Algebra	SCCCC	Pike Lincoln AVTS-Eolia South Callaway HS-Mokane Montgomery City HS	2 1 1
Associate	General Education	US History to 1877	SCCCC	Pike Lincoln AVTS-Eolia South Callaway HS-Mokane Montgomery City HS	12 1 1

Associate	General Education	US History Since 1877	SCCCC	Pike Lincoln AVTS-Eolia South Callaway HS-Mokane Montgomery City HS	6 0 1
Associate	General Education	EnglishComposition I	SCCCC	Pike Lincoln AVTS-Eolia South Callaway HS-Mokane Montgomery City HS	16 3 5
Associate	General Education	Oral Communications	SCCCC	Pike Lincoln AVTS-Eolia South Callaway HS-Mokane Montgomery City HS	8 4 5
Associate	General Education	Elementary Spanish I	SCCCC	Pike Lincoln AVTS-Eolia	1
Associate	Criminal Justice	Rules of Criminal Justice	SCCCC	Pike Lincoln AVTS-Eolia South Callaway HS-Mokane Montgomery City HS	1 0 0
Associate	Criminal Justice	Criminal Law & Procedure	SCCCC	Pike Lincoln AVTS-Eolia South Callaway HS-Mokane	0 2
Associate	General Education	Introduction to Chemistry	SCCCC	Pike Lincoln AVTS-Eolia Montgomery City HS	2 1

St. Louis Community College District (No Activity)

State Fair Community College

Degree/ Certificate	Program Name	Course/Section/Titles Delivered	Site Transmitting	Site(s) Receiving	Completers (Duplicated)
AAS	Industrial Maintenance	Mechanical Systems	SFCC	Marshall	11
				Clinton	1
				Eldon	1
				Jefferson City	4
		Tech Math		Clinton	1
		Hydraulics/Pneumatics	SFCC	Boonville	7
			SFCC	Eldon	3
				Clinton	2
				Warrensburg	1
		Print Reading	SFCC	Boonville	4
		Principles of Industrial Elect	SFCC	Boonville	9
		Principles of Refrigeration	SFCC	Boonville	4
				Marshall	2
				Clinton	2
				Jefferson City	5
		Master Planning	SFCC	Jefferson City	6
				Warrensburg	9
				Clinton	14
AAS	Computer Info Systems	COBOL	SFCC	Jefferson City	4
		Access	SFCC, Jefferson City	Sedalia	1
		System Analysis	SFCC	Jefferson City	4
		Advanced COBOL		Jefferson City	5
		C Programming		Jefferson City	5
		Web Development	SFCCSFCC, Jefferson City	Sedalia	7
		RPG-400	SFCC	Jefferson City	5
		JAVA		Jefferson City	7
		NT Server		Jefferson City	2

AAS	General Education	Microapplications	SFCC	Marshall	6
				Jefferson City	10
				Clinton	3
				Camdenton	8
		English Comp I	SFCC	Jefferson City	2
				Boonville	3
				Clinton	5
		English Comp II	SFCC	Jefferson City	2
				Boonville	1
				Clinton	2
				Marshall	4
		General Psychology	SFCC	Jefferson City	25
				Camdenton	12
		Marriage & Family	SFCC	Jefferson City	13
		Public Speaking	SFCC	Jefferson City	2
				Eldon	2
				Clinton	5
				Camdenton	2
		Basic Math Lab	SFCC	Jefferson City	6
		Elementary Algebra	SFCC	Jefferson City	10
				Camdenton	6
		Elementary Spanish	SFCC	Marshall	3
				Eldon	2
				Warrensburg	3
				Clinton	5
		General Sociology	SFCC	Jefferson City	2
				Clinton	2
				Camdenton	4
		College Algebra	SFCC	Marshall	4
				Warrensburg	3
				Boonville	5
				Clinton	5

Three Rivers Community College

Degree/ Certificate	Program Name	Course/Section/Titles Delivered	Site Transmitting	Site(s) Receiving	Completers (Duplicated)
AAS	Industrial Technology	Applied DC/AC Circuits	TRCC	New Madrid	12
		National & State Government		New Madrid	1
		Fundamentals of Speech		New Madrid	6
		Industrial Electrical Controls		New Madrid	6
		English Comp. I		New Madrid	2
		College Algebra		New Madrid	3
		English Comp. I	TRCC	Kennett	5
		Industrial Safety		Kennett	1
		Fundamentals of Speech		Kennett	4
		Hydraulics & Pneumatics		Kennett	1
		Industrial Electrical Controls		Kennett	3
		National & State Government		Kennett	1
		College Algebra		Kennett	2
		Industrial Safety		Kennett	1
		Hydraulics & Pneumatics	TRCC	Pemiscot Co./ Hayti	8
		Applied DC/AC Circuits		Pemiscot Co./Hayti	12
		Industrial Electrical Controls		Pemiscot Co./Hayti	6
		English Comp. I		Pemiscot Co./Hayti	2
		Industrial Safety	TRCC	Sikeston	3
		Hydraulics and Pneumatics		Sikeston	1
		College Algebra		Sikeston	5
		National & State Government		Sikeston	4
Certificate	Electrical Technician	Blueprint Reading & Gauging	TRCC	Pemiscot Co. AVTS	2
	Industrial Technician	Blueprint Reading & Gauging	TRCC	Pemiscot Co. AVTS	2
	Quality Control Technician	Blueprint Reading & Gauging	TRCC	Sikeston AVTS	1
AAS	Register Nurse	Human Development Across	TRCC	Sikeston	11
		Lifetime Wellness	TRCC	Sikeston	5
		NURS235	TRCC	Sikeston	13
Associate	General Education	Lifetime Wellness	TRCC	Twin Rivers	1
Associate	General Education	Lifetime Wellness	TRCC	New Madrid	1

AA	General Education	Am. Lit. Since 1870	TRCC	Kennett	2
		Am. Lit. To 1870		Kennet	3
		English Comp. II		Kennett	3
		English Comp. II		New Madrid	3
		Am. Lit. to 1870		Richland	5
		Am. Lit. to 1870		Twin Rivers	1
		English Comp. II		Pemiscot Co. AVTS	1
		Principles of Accounting	Kennett	Sikeston AVTS	6
				Richland	1
				Twin Rivers	2
		History & Apprec of Music		New Madrid	6
				Richland	2

SMSU—West Plains

Degree/ Certificate	Program Name	Course/Section/Titles Delivered	Site Transmitting	Site(s) Receiving	Completers (Duplicated)
AAS	Business	Introduction to Business	SMSU – West Plains	SMSU – Mountain Grove	8
AA	General Education	Cultural Anthropology	SMSU – West Plains	SMSU – Mountain Grove	5
AA	General Education	Biological Concepts	SMSU – West Plains	SMSU – Mountain Grove	9
AA	General Education	Principles of Microeconomics	SMSU – West Plains	SMSU – Mountain Grove	6
AA	General Education	Contemporary Mathematics	SMSU – West Plains	SMSU – Mountain Grove	6
AA	General Education	Elementary Spanish I	SMSU – West Plains	SMSU – Mountain Grove	16
AA	General Education	ENG 111 Composition	SMSU – West Plains	Houston High School	4

Missouri Western State College

Degree/ Certificate	Program Name	Course/Section/Titles Delivered	Site Transmitting	Site(s) Receiving	Completers (Duplicated)
Vocational Instructor Certification	Vocational Certification	Selection and Organization of Vocational Technical Ed.	Hillyard Technical Center, St. Joseph	1. NCMC, Trenton 2. Grand River Technical School, Chillicothe 3. Brookfield Area Career Center, Brookfield	12

Table 10
PARTICIPATION OF RECENT HIGH SCHOOL GRADUATES
In Targeted Technical Education Programs

Occupational Areas	FY 1996 Baseline	FY 1997 (Yr. 1)	FY 1998 (Yr. 2)	FY 1999 (Yr. 3)	FY 2000 (Yr. 4)
Computer/Information Systems	224	236	242	246	363
Engineering Technology	314	299	343	391	385
Advanced Health Occupations	146	102	81	109	96
Mechanics and Repairers	82	165	153	169	133
Precision Production Trades	171	148	172	150	178
Science Technologies	8	11	3	1	2
Total Participation	**945**	**961**	**994**	**1,066**	**1,157**

Note: Includes high school seniors graduating in May and June and enrolling the following Fall Semester as first-time full- or part time students in targeted technical certificates, technical AAS/AS associate degrees, and technology bachelor degrees from public two- and four-year institutions. Institutions include the public community colleges, Linn State Technical College, SMSU—West Plains, SEMO, CMSU, MSSC, MWSC, and Lincoln University.

Table 11
SUMMARY OF STUDENT PARTICIPATION
At On- and Off-Campus Sites
(Unduplicated Headcount)

Occupational Areas	FY 1995 Baseline	FY 1996 Baseline	FY 1997 (Yr. 1)	FY 1998 (Yr. 2)	FY 1999 (Yr. 3)	FY 2000 (Yr. 4)
Computer/Information Systems	2,458	2,971	3,644	4,317	4,997	3,993
Engineering Technology	3,027	3,044	3,135	3,173	3,043	3,574
Advanced Health Occupations	1,104	1,575	1,486	1,274	1,187	1,201
Mechanics and Repairers	414	474	423	396	697	1,088
Precision Production Trades	1,100	1,217	1,266	1,098	1,356	1,485
Science Technologies	87	75	77	71	72	55
Total Certificates and AAS/AS	**8,190**	**9,356**	**10,031**	**10,329**	**11,352**	**11,396**

Note: Includes Fall and Spring Semester cumulative unduplicated enrollments in targeted technical certificates, technical AAS/AS associate degrees, and technology bachelor degrees from public two- and four-year institutions. Institutions include the public community colleges, Linn State Technical College, SMSU—West Plains, SEMO, CMSU, MSSC, MWSC, and Lincoln University

Table 12
SUMMARY OF STUDENT PARTICIPATION
At Off-campus and Outreach Centers
(Duplicated Headcount)

Occupational Areas	FY 1995 Baseline	FY 1996 Baseline	FY 1997 (Yr. 1)	FY 1998 (Yr. 2)	FY 1999 (Yr. 3)	FY 2000 (Yr. 4) Approx.
Computer/Information Systems	72	78	50	244	236	284
Engineering Technology	51	143	232	189	637	768
Advanced Health Occupations	24	38	62	15	0	0
Mechanics and Repairers	89	126	958	262	801	965
Precision Production Trades	585	823	255	1,286	986	1188
Science Technologies	0	15	0	63	0	0
Total Duplicated Participation	**821**	**1,223**	**1,252**	**2,059**	**2,660**	**3205**
Unduplicated Estimates	*275*	*400*	*425*	*680*	*875*	1054

Note: Includes Fall and Spring Semester cumulative duplicated enrollments in targeted technical certificates and technical AAS/AS associate degrees from the public community colleges' service regions, and SMSU—West Plains.

Table 13
DETAIL OF STUDENT PARTICIPATION
At Off-Campus and Outreach Centers
FY 2000 (Year four)

Crowder College

Nevada Regional Tech Center & Bowman Building

CIP Code	Degree/ Certificate	Program Name	Course Titles	Completers Duplicated
15.0603	AAS	Industrial Technology/Industrial Maintenance and Industrial Management options	Intro to Oxy-Acetylene Intro to Electric Arc Intro to MIG	12 12 12
48.0199	AAS	Drafting & Design Technology	Intro to Engineering Drawing[1] Section & Auxiliary Drawings[1] Prin. of Conflict Resolution* Intro to Supervisory Management* Principles of Leadership	2 2 5 4 4
11.0105	AAS	Computer Science	Computer Applications Computer Applications II	36 8
		General Education Support Courses (offered onground and ITV)	U S History I English 101 Speech 101 Political Science Technical Math	30 35 20 26

Southwest Area Career Center

15.0603	AAS	Industrial Technology	Intro to Mill Intro to Engine Lathe Intro to Machine Tool	5 5 5

Carthage Technical Center

15.0603	AAS	Industrial Technology	Industrial Pneumatics	24
			Topics: Mechanical Drive Trains	17

Webb City Outreach Center

15.0603	AAS	Industrial Technology	Industrial Motors & Generators	6
			Intro to Computers	19
			Hazardous Materials Regulations*	4
			Principles of Problem Solving	1
			Industrial Pneumatics	7
			Materials & Manufacturing Proce.	1
			Industrial Processes[1]	1
			Foundations of Electronics	8
			DC Circuits	8
			AC Circuits	8
			Intro to Supervisory Management*	4
			Intro to Conflict Resolution*	2
			Principles of Leadership*	2
			Topics: Hand Soldering[2]	4
			Industrial Hydraulics	5
			Industrial Electricity	7
			Electronic Sensors & Controls[1]	1
			Intro to PLCs	14
			Advanced PLCs	7
			Industrial Control Devises	11
11.0150	AAS	Computer Science	Computer Applications	14
		General Education Support Classes (offered onground & ITV)	U S History I	8
			Technical Math*	3
			English Composition[1]	4
			English Composition	6
			Speech 101	11

Cassville Watley Center

15.0603	AAS	Industrial Technology	Hazardous Materials Regulations*	1
			Intro to Supervisory Management*	1
			Intro to Computers	22
			Managing Implementing Change[1]	2
			Topics: Hand Soldering	11
			Intro to Quality Systems*	3

East Central College

Rolla Technical Institute/Rolla Training Center

CIP Code	Degree/ Certificate	Program Name	Course Titles	Completers Duplicated
48.0101	AAS/Cert.	Drafting/Design	Technical Writing	10
			Tech Physics Lecture, Lab	18
			Civil Drawing Lecture, Lab	18
			Modern Drafting Techniques	6
			Blue Print Reading	48
47.0399	AAS/Cert.	Industrial Engineering Technology	PLC Capstone	53
			Hydraulics & Pneumatics	34

48.0501	AAS/Cert.	Precision Machining Technology	Machine Tool I Lecture, Lab	4
			Machine Shop	19
			Intro to CNC Mill & Lathe	33
			Advanced CNC Machining	10

4-Rivers AVTS/TTC

48.0101	AAS/Cert.	Drafting/Design	Engineering Drawing Lecture, Lab	10
			Introduction CAD Application I	11
47.0399	AAS/Cert.	Industrial Engineering Technology	Basic Electrical	16
			Maintenance Practices	3
			Industrial Computer Application	3
			Industrial Power Systems	68
			Introduction Manufacturing Proce	7
			Industrial Systems Troubleshoot	3
48.0501	AAS/Cert.	Precision Machining Technology	Introduction CNC Mill & Lathe	46
			Advanced CNC Machining	8
			Machine Tool I	36
			Machine Tool II	20
			Advanced Machine Tool I	8
			Advanced Machine Tool II	16
			Measurement & Inspection	34
			Advanced Machine & Processes	4
48.0501	AAS/Cert.	Precision Machining Technology	Machinist Application	13
			Geometric Dimensional Tolerance	10
			Computer Aided Manufacturing	4
			Metallurgy	18
48.0501	AAS/Cert.	Mold Making	Mold Making Fundamental I	8
			Mold Making Fundamental II	8
			Mold Making Fundamental III	8
			Mold Making Fundamental IV	8
			CAD CAM Fundamentals I for Mold Makers	7
			CAD CAM Fundamentals II for MoldMakers	5
			Project for Mold Makers	3
			Mold Materials Processes	6
			Mold Fabrication Processes	4
			Mold Design Fundamental	3
			Moldmaking Terminology	17
			Mold Manufacturing	3

Sullivan Southwest Area Center

47.0399	AAS/Certificate	Industrial Engineering Technology	Domestic & Commercial	12

Jefferson College

General American Insurance: St. Louis County

CIP Code	Degree/ Certificate	Program Name	Course Titles	Completers Duplicated
52.1202	A.A.S.	AS/400	Computer Program Operator	20

Metropolitan Community Colleges

Cass Career Center

CIP Code	Degree/ Certificate	Program Name	Course Titles	Completers Duplicated
15.0699	AAS	Industrial Technologies	Introduction to Psychology	22
			Introduction to Philosophy	28
			American History I	2
			American History II	4
			Composition & Reading I	11
			Composition & Reading II	15
			Composition & Reading II	2
			Intermediate Algebra	17
			Intermediate Algebra	3
			Introduction to Microcomputer	24
			Fundamentals of Speech	15
			Humanities through the Arts	28
			Composition in Humanities: Myths	8
15.0501	AAS	HVAC Technology	Basic Principles of HVAC	4
15.0701	AAS	Environmental Health & Safety Technology	Hazardous Materials	1
			Into to Health & Safety Regul.	2
52.1299	Certificate	Telecommunications Technician	Intro to Telecom. Career	1
15.0303	AAS	Electronics Engineering Technology	Basic Electronics	18
			DC Circuit Analysis	18
			AC Circuit Analysis	18
			Micro Computer Hardware	6
15.0699	AAS	Industrial Technologies	Welding I	2

Excelsior Springs Career Center

15.0699	AAS	Industrial Technologies	Composition & Reading	1
			Introductory Algebra	1
			Intro to Philosophy	1
			American History II	2
15.0303	AAS	Electronic Engineering Technology	Basic Electronics)	19
			DC Circuit Analysis	19
			AC Circuit Analysis	19
			Micro Computer Archit	7
			Micro Computer Hardware	7
15.0501	AAS	Heating, Ventilation, & Air Conditioning	Electricity for HVAC/R	13
			Principles of Heating	9
			Fundamentals of Refrigeration	13
			Residential Heating & Air Conditioning	9
48.0101	AAS	Drafting & Design Engineering Technology	Engineering Graphics I	8
			Computer Aided Design I	4

Lex La-Ray Technical Center

15.0699	AAS	Industrial Technologies	Composition & Reading	1
			Intro to Philosophy	2
			Introductory Algebra	2
43.0203	AAS	Fire Science Technology	Fire Fighting Tactics & Strategy	2

15.0699	AAS	Industrial Technologies	Welding I Welding II Blueprint Reading & Mfg. (DC)	7 7 7
15.0803	AAS	Automotive Technology	Automotive Power Plants Automotive Braking System Automotive Painting Non Structural Analysis MIG and Structural Welding	6 6 7 7 7
48.0506	AAS	Machine Tool Technology	Introduction to Machine Tool Machining & Tooling I Machining & Tooling II Blueprint Reading Manufacturing	15 15 9 9

Northland Career Center

15.0699	AAS	Industrial Technologies	Introductory Algebra	2
15.0501	AAS	Heating Ventilation & Air Conditioning	Electricity for HVAC/R Principles of Heating & Air Fundamentals of Refrigeration Residential Heating & Air	12 12 12 12
15.0699	AAS	Industrial Technologies	Welding I Welding II Blueprint Reading & Manufact.	5 5 5
15.0303	AAS	Electronics Engineering Technology	Basic Electronics DC Circuit Analysis AC Circuit Analysis Analog Devices Digital Electronics	9 9 8 9 8

NS Hillyard Technical School

15.0501	AAS	Heating Ventilation & Air Conditioning	Fundamentals of Refrigeration Industrial Electrical Principles Residential Heating & Air	11 11 8
15.0303	AAS	Electronics Engineering Technology	Basic Electronics DC Circuit Analysis AC Circuit Analysis Micro Computer Architecture Digital Electronics	17 17 17 9 9
15.0699	AAS	Industrial Technologies	Welding I Welding II Blueprint Reading & Manufacturing)	24 17 17
15.0303	AAS	Electronics Engineering Technology	Fundamentals of Refrigeration Residential Heating & Air Industrial Electrical Principles	15 10 15
48.0506	AAS	Machine Tool Technology	Introduction to Machine Tool Technology Machining & Tooling I Machining & Tooling II Blueprint Reading & Manufact.	18 18 10 10

Ford Motor Plant

15.0699	AAS	Industrial Technologies	Introduction to Biology Intermediate Algebra Sociology	20 17 29

Butler High School

15.0699	AAS	Industrial Technologies	Life & The Environment Composition & Reading I American History II	20 23 29

The Career & Technology Center at Fort Osage

15.0701	AAS	Environmental Health & Safety	Safety & Health Regulations and Standards	1
47.0104	AAS	Computer Science Information Systems and Computer Software	Computers & Information Tech. Microcomputer Hardware Microcomputer Operating Sys. Telecommunications & Network	36 36 36 36
15.0303	AAS	Electronics Engineering Technology	Basic Electronics DC Circuit Analysis AC Circuit Analysis Micro Computer Architecture Digital Electronics)	16 16 16 7 7
48.0101	AAS	Drafting Technology	Engineering Graphics I Engineering Graphics II Computer Aided Design	16 9 17

Joe Herndon Career Center

15.0699	AAS	Industrial Technologies	American History I	1
15.0501	AAS	Heating, Ventilation, & Air Conditioning	Fundamentals of Refrigeration Electricity for HVAC/R Principles of Heating & Air Residential Heating & Air	30 30 13 13
15.0803	AAS	Automotive Technology	Structural Analysis & Damage Automotive Painting Automotive Refinishing	3 3 3
15.0303	AAS	Electronics Engineering Technology	Basic Electronics DC Circuit Analysis AC Circuit Analysis Digital Electronics Analog Devices	23 23 23 12 12
15.0699	AAS	Industrial Technologies	Welding I Welding II Blueprint Reading & Manufac.	27 13 12

William Chrisman High School

48.0101	AAS	Drafting & Design Engineering Technology	Computer Aided Design I Engineering Graphics I	7 6

Maple Woods Construction Management (offered at Builders Association in NKC)

15.1102	AAS	Construction Management	Problem Solving/Decision Making	12
			OSHA & Site Security	8
			Beginning Print Reading	38
			Intermediate Print Reading	25
			Accident Prevention & Loss Control	8
			Construction Planning & Scheduling	15
			Construction Estimating	9
			Advanced Print Reading	13
			Cost Awareness	9
			Contract Documentation	15
			Productivity Improvement	14

Lee's Summit Technology

15.0303	AAS	Electronic Engineering Technology	Technical Physics	17

Maple Woods Construction Management (offered at Builders Association in NKC)

15.0699	AAS	Industrial Technologies	Computers & Information Tech.	21
		Construction Masonry and Construction	Introduction to Environmental	13
		Iron Working	Health	15
			Fundamentals of Speech	16
			Composition & Reading I	12
			Technical Math	22
			Principles of Supervision	20
			Computer Aided Drafting	17
			Industrial Rigging for Carpentry	11
			Technical Math II	

Mineral Area College

Cape Girardeau Area Career and Technology Center

CIP Code	Degree/ Certificate	Program Name	Course Titles	Completers Duplicated
47.0399	AAS Certificate	Industrial Maintenance	Electronics	110
			Mechanical	103
99.0100	AVTS Certificate	Basic Industrial Technical Skills	Industrial Math	21
			Precision Measurement	
			Introduction to Blueprint Reading	
			Basic Electricity	
			Introduction to Pneumatics, Hydraulics, and Vacuums	
			Introduction to Basic Mechanical	
			Metals and Non-metals	
			Industrial Safety	
			Welding	
			Computer Keyboarding	
15.0803 and 15.0303	AVTS Certificate	Automotive Technology (Adult)	Automotive Power Plants	2
			Steering & Suspension	

48.201	A.S.	Graphic Arts Technology (Tech Prep)	Introduction to Graphic Art I Pre-Press Systems I Press & Finish I Introduction to Graphic Art II Pre-Press Systems II Press & Finish II	21
15.030	A.S.	Electronics (Tech Prep)	Basic Soldering Techniques Basic Electronics Electrical Systems Practical Electronics I Practical Electronics II	10
15.0201	A.S.	Civil/Construction Technology (Tech Prep)	Introduction to Technology Construction Internship I Construction Internship II Construction Methods/Estimating Blueprint Reading	11
Various	All Programs	General Education Requirements	English Composition I General Psychology I Microcomputer Applications Intermediate Algebra Public Speaking Preparation for Employment American History II	10 8 8 11 18 1 16
47.0399	A.A.S. & Certificate	Industrial Maintenance	Practical Electronics II Schematic Reading Practical Electronics I Solid State Electronics Intermediate Algebra Basic Electronics Electrical Systems National Electric Code Programmable Logic Controllers	9 8 1 1 11 20 2 2 9
15.0402	A.A.S., 1 Year Certificate and AVTS Certificate	Computer Networking	Introduction to Networking Internetworking I Micro Operation Systems Basic Programming Internetworking II	6

Arcadia Valley AVTS

15.0803 and 15.0303	A.S.	Automotive Technology (Tech Prep)	Automotive Power Plants Steering & Suspension Brake Systems Automotive Electrical Systems	14
48.201	A.S.	Graphic Arts Technology (Tech Prep)	Introduction to Graphic Art I Pre-Press Systems I Press & Finish I Introduction to Graphic Art II Pre-Press Systems II Press & Finish II	48

Perry County – Sereno Higher Education Center

Various	All Degree and Certificate Programs	General Education Requirements	Introduction to Computers English Composition I English Composition II American History II Elementary Algebra Intermediate Algebra General Psychology I Microcomputer Applications American History I Earth Science II Human Growth and Development General Biology Foundations of Math Introduction to Chemistry American State & Local Government Western Civilization I American National Government General Sociology	26 22 14 16 8 13 22 22 16 8 13 12 7 8 12 8 10 10 13
47.0399	A.A.S. and Certificate	Industrial Maintenance	Basic Electronics Electrical Systems Computer Aided Design/Drafting Basic Refrig Theory and Apps	7 8 10 19

Perryville Career and Technology Center

15.0803 and 15.0303	A.S.	Automotive Technology (Tech Prep)	Automotive Power Plants Steering & Suspension Brake Systems Automotive Electrical Systems	39
48.201	A.S.	Graphic Arts Technology (Tech Prep)	Introduction to Graphic Art I Pre-Press Systems I Press & Finish I Introduction to Graphic Art II Pre-Press Systems II Press & Finish II	30
15.030	A.S.	Electronics (Tech Prep0	Basic Soldering Techniques Basic Electronics Electrical Systems Practical Electronics I Practical Electronics II	48
48.0508	Certificate	Welding (Adult)		27
15.0201	A.S.	Civil/Construction Technology (Tech Prep)	Introduction to Technology Construction Internship I Construction Internship II Construction Methods/Estimating Blueprint Reading	50

Winona School District and the Current River Consortium

Various	All Degree and Certificate Programs	General Education Requirements	History of Art I General Biology Introduction to Computers Microcomputer Applications Basic Writing Skills I Basic Writing Skills II English Composition I English Composition II Public Speaking American History I American History II Elementary Algebra American National Government American State and Local Government Appreciation of Music General Psychology I Microcomputer Keyboarding Comparative Religions Earth Science I General Psychology II Human Growth and Development General Sociology	8 7 24 13 9 32 14 12 11 15 21 18 9 6 14 12 13 10 9 6 13 14

UniTec Career Center

15.0803 and 15.0303	A.S.	Automotive Technology (Tech Prep & Adult)	Automotive Power Plants Steering and Suspension Brake Systems Automotive Electrical Systems	51
48.201	A.S.	Graphic Arts Technology (Tech Prep)	Introduction to Graphic Art I Pre-Press Systems I Press & Finish I Introduction to Graphic Art II Pre-Press Systems II Press & Finish II	38
15.030	A.S.	Electronics (Tech Prep)	Basic Soldering Techniques Basic Electronics Electrical Systems Practical Electronics I Practical Electronics II	36
48.0501	A.S., A.A.S., 1 Year Certificate, AVTS Certificate	Machine Technology (Tech Prep & Adult Courses)	Machine Shop I Machine Shop II Machine Shop III Machine Shop IV	44
15.0501	Certificate	HVAC (Adult Courses)	Refrigeration Air Conditioning	31

48.0508	Certificate	Welding (Adult Courses)	Mig Welding Tig Welding Arc Welding	62
15.0201	A.S.	Civil/Construction Technology (Tech Prep)	Introduction to Technology Construction Internship I Construction Internship II Construction Methods & Estimating Blueprint Reading	25

Moberly Area Community College

Moberly Area Technical Center (AVTS)

CIP Code	Degree/ Certificate	Program Name	Course Titles	Completers Duplicated
15.0699	AAS/Cert.	Industrial Technology	Welding I Welding II Welding IV	5 1 2

Kirksville Area Technical Center

52.1120	Cert.	Computer Information Systems	HTML/Web Page Design	16
48.0101	Cert.	Drafting Design Technology	AutoCAD I	6

Mexico Advanced Technology Center

48.0101	AAS/Cert.	Drafting and Design Technology	Engineering Drawing CAD I	4 8
52.1120 1	Cert.	Computer Information Systems	Netware Administration Introduction to Information Sys. Introduction to Computer Science Foundations of PC Operating Sys. COBOL Programming Introduction to NT Server Internet Communications Basic Programming Visual Basic Programming HTML/Web Page Design Intermediate Web Page Design Data Communications Networks and Teleprocessing	24 16 16 31 7 11 29 11 4 17 13 30 15

Hannibal Area Vocational Technical School

15.0399	Cert.	Industrial Electricity/ Electronic Technology	Electric Motor Controls Fluid Power Fluid Power Lab National Electric Code Industrial Automation & Robotics Solid State & Variable Drives Solid State & Variable Speed Lab Programmable Logic Controls Technical Math	8 7 7 7 2 7 7 16 12
48.0101	AAS/Cert.	Drafting and Design Technology	Architectural CAD I	4
52.1120	AAS/Cert.	Computer Information Systems	Netware Administration	8

Edina/NEMO--Knox County High School

52.1201	Cert.	Computer Information Systems	Netware Administration	6

Macon Area Vocational Technical School

50.0402	AAS/Cert.	Graphic Arts Technology	Mac: Use and Troubleshooting	24
			HTML/Web Page Design	8
			Orientation to Graphic Arts	11
			Graphic Arts I	10
			Graphic Arts II	10
			Computer Imaging	12
			Multi-media Development	11
48.0101	AAS/Cert.	Drafting and Design Technology	CAD I	17

North Central Missouri College

Northwest Technical School

CIP Code	Degree/ Certificate	Program Name	Course Titles	Completers Duplicated
47.0105	AAS/Certificate	Industrial Maintenance	Principles of Electricity DC/AC	10
			Power Transmission	10
			Algebra	10
			Blueprint Reading	10
			Blueprint Reading	8
			Reading Symbols/Schematics	10
			Fluid Power-Pneumatics	10
			Troubleshooting	10
			Welding	10
			Machine Shop	10
			Principles of Physics	10

Grand River Technical School

47.0105	Cert./AAS	Industrial Maintenance	Industrial Maintenance	16
52.12	Cert./AAS	Microcomputer Specialist	Computer/Network Technology	13

Ozarks Technical Community College

Lebanon--Nelson Education Center

CIP Code	Degree/ Certificate	Program Name	Course Titles	Completers Duplicated
52.0302		Accounting	Principles of Accounting II	8
52.1201	CT/AAS	Computer Information Technology	Microcomputer Application	10
48.0501	CT/AAS	Machine Tool Technology	Machine Shop I	10
48.0501	CT/AAS	Machine Tool Technology	Machine Shop II	8
48.0501	CT/AAS	Machine Tool Technology	Occupational Seminar	9
23.0401		General Education	Composition I	10
31.9999		General Education	Lifetime Wellness	28
09.0101		General Education	Business Communications	9
47.0399	CT/AAS	Industrial Maintenance Technology	Industrial Print Reading	9
47.0399	CT/AAS	Industrial Maintenance Technology	Occupational Seminar	10
52.1201	CT/AAS	Computer Information Technology	Microcomputer Application	15
52.1201	CT/AAS	Computer Information Technology	Intro to Computer Information	13
52.1201	CT/AAS	Computer Information Technology	Spreadsheet Applications	7
52.1201	CT/AAS	Computer Information Technology	Visual Programming I	13
52.1201	CT/AAS	Computer Information Technology	Visual Programming II	8
06.0401	CT/AAS	Computer Information Technology	Principles of Business	1

15.0303	CT/AAS	Computer Information Technology	Machine Transcription	3
26.0609		General Education	Nutrition	9
45.1001		General Education	American Government & Politics	34
23.1001		General Education	Interpersonal Communications	24
27.0301		General Education	Basic Technology Mathematics	17
31.9999		General Education	Lifetime Wellness	19
23.0401		General Education	Composition I	17
15.0603	CT/AAS	Manufacturing Technology	Computer Numerical Control I	16
15.0603	CT/AAS	Manufacturing Technology	Computer Aided Manufacturing I	30
47.0399	CT/AAS	Industrial Maintenance Technology	Industrial Safety	8
47.0399	CT/AAS	Industrial Maintenance Technology	Industrial Electricity	10
47.0399	CT/AAS	Industrial Maintenance Technology	Industrial Motors and Controls	11
15.0303	CT/AAS	Electronic Technology	Programmable Control	9
52.1201	CT/AAS	Computer Information Technology	Machine Transcription	3
52.0302		Accounting	Principles of Accounting I	14
52.1201	CT/AAS	Computer Information Technology	C++ Programming I	10
52.1201	CT/AAS	Computer Information Technology	Microcomputer Applications	22
52.1201	CT/AAS	Computer Information Technology	C++ Programming II	4
45.0701		General Education	World Geography I	20
26.0603		General Education	Introduction to Composition	5
09.0101		General Education	Public Speaking	10
45.0801		General Education	Discovery to Reconstruction	25
27.0101		General Education	Intermediate Algebra	6
26.0603		General Education	Composition I	21
27.0101		General Education	College Algebra	28
47.0399	CT/AAS	Industrial Maintenance Technology	Mechanical Power Transmission	7
47.0399	CT/AAS	Industrial Maintenance Technology	Industrial Print Reading	8
47.0399	CT/AAS	Industrial Maintenance Technology	Hydraulics/Pneumatics	9
48.0501	CT/AAS	Machine Tool Technology	Computer Aided Manufacturing	8
48.0501	CT/AAS	Machine Tool Technology	Machine Shop I	20
48.0501	CT/AAS	Machine Tool Technology	Machine Shop II	21
52.1204	CT/AAS	Computers and Networks	Novell Server	2
52.1201	CT/AAS	Computer Information Technology	Problem Solving with Calculators	6
52.1201	CT/AAS	Computer Information Technology	Formatting Business Documents	7
52.1201	CT/AAS	Computer Information Technology	Records Management	8

High School, OTC Lab

52.1201	CT/AAS	Computer Information Technology	Microcomputer Application	10

Mansfield Education Center

31.999		General Education	Lifetime Wellness	36
52.1201	CT/AAS	Computer Information Technology	Microcomputer Application	21
23.1001		General Education	Interpersonal Communications	8
23.0401		General Education	Composition I	10
48.0501	CT/AAS	Machine Tool Technology	Computer Numerical Control I	10
48.0501	CT/AAS	Machine Tool Technology	Machine Tool Processes I	6
45.9999		General Education	Discovery to Reconstruction	4
45.1001		General Education	American Government Politics	27
52.1201	CT/AAS	Computer Information Technology	Desktop Publishing	1

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Waynesville Technical Academy

31.999		General Education	Lifetime Wellness	3
23.1001		General Education	Interpersonal Communications	3
45.0801		General Education	Discovery to Reconstruction	3
27.0101		General Education	Basic Math	5
42.0101		General Education	Introduction to Psychology	7

St. Charles County Community College

Pike/Lincoln Technical Center

CIP Code	Degree/ Certificate	Program Name	Course Titles	Completers Duplicated
24.0101	Associate/ Certificates	General Education	Art Appreciation	12
			Introductory Biology	6
			Intro to Business	3
			Orientation to College	3
			Intro to Criminal Justice	4
			Criminology	2
			Conflicting Perspectives	1
			English Comp I	16
			US History to 1877	11
			US History since 1877	6
			Developmental Math	3
			Beginning Algebra	5
			Survey of Organization and H	4
			Concepts of Health	2
			Introduction to Psychology	9
			Introduction to Sociology	5
			Oral Communications	8
			Introduction to Cinema	10

North/South Callaway R-II High School and Middle School

24.0101	Associate/ Certificate	General Education	Art Appreciation	5
			Intro to Business	2
			Intro to Criminal Justice	2
			US History to 1877	3
			Beginning Algebra	1
			Concepts of Health	2
			Introduction to Psychology	5
			Introduction to Sociology	3
			Marriage and the Family	3
			Oral Communications	4
			Introduction to Cinema	3

Montgomery County R-II High School

24.0101	Associate/ Certificate	General Education	Art Appreciation	13
			Introductory Biology	6
			Intro to Business	5
			Orientation to College	2
			Windows Application	7
			Intro to Criminal Justice	2
			Developmental English II	1
			English Comp I	5
			US History to 1877	1
			US History since 1877	1
			Developmental Math	1
			Beginning Algebra	5
			Intermediate Algebra	1
			Concepts of Health	3
			Introduction to Psychology	3
			Introduction to Sociology	5
			Marriage and the Family	3
			Oral Communications	4
			Introduction to Cinema	1

Harris Building & Wentzville Crossings (formerly Belz Factory Outlet Mall)

15.0303	AAS /Cert.	Electronic Engineering Technology	Blueprint Reading	5
48.999	AAS	Skilled Trades Apprenticeship	Trigonometry	8
			Intro. To HVAC	9

St. Louis Community College District

(All In-taxing District Instruction)

State Fair Community College

Saline County Career Center

CIP Code	Degree/ Certificate	Program Name	Course Titles	Completers Duplicated
46.0401	AAS	Industrial Maintenance	English Comp II	3
			Principles of Refrigeration	2
			College Algebra	1
			Elementary Spanish	5
			Mechanical Systems	10
			Electric Motor Control	13
			Micro Applications	6
			Intro to Machining	8
			PLC Systems	6

Tri-County Technical School

46.0401	AAS	Industrial Maintenance	Mechanical Systems	1
			Hydraulics/Pneumatics	3
			Public Speaking	2
			Elementary Spanish	2
			PLC I	6
			PLC II	6

Warrensburg AVTS

46.0401	AAS	Industrial Maintenance	Elementary Spanish I	5
			College Algebra	2
			Principles of Refrigeration	1
			Hydraulics/Pneumatics	0

Clinton AVTS

46.0401	AAS	Industrial Maintenance	English Comp I	5
			English Comp II	2
			General Sociology	2
			Public Speaking	17
			US History	18
			Mechanical Systems	1
			Hydraulics/Pneumatics	2
			Tech Math II	1
			Principles of Refrigeration	2
			College Algebra	4
			Elementary Spanish	4
			Medical Terminology I	4
			Medical Terminology II	4
			Microcomputer Applications	7

Boonslick AVTS

46.0401	AAS	Industrial Maintenance	English Comp I	3
			Spanish I	0
			Hydraulics/Pneumatics	7
			Print Reading	4
			English Comp II	1
			Industrial Electricity	9
			Applications of Industrial Electric.	8
			Principles of Refrigeration	4
			College Algebra	3
			Electric Motor Control	6
			PLC I	17

52.1202/	AAS	Computer Information Systems	Basic English Lab	5
52.1204		Computer Information Sys.-Networking	Intro to Writing	24
		Industrial Maintenance	Reading I	20
46.0401		Industrial Electronics	Basic Math Lab	2
47.0105			Elementary Algebra	36
			Micro Applications	75
			Windows	12
			Lotus Notes	19
			Visual Basics	23
			RPG-400	4
			Programming in C	10
			English Comp I	39
			English Comp II	6
			US History Before 1877	20
			US History After 1877	27
			American Diversity	6
			Industrial Electricity	7
			College Algebra	15
			General Psychology	41
			General Sociology	12
			Public Speaking	10
			Web Development	5
			Advanced COBOL	5
			Visual J/JAVA	4
			System Analysis	3
			Principles of Refrigeration	5
			NT Server	5
			Social Problems	3
			Elementary Spanish	3
			Marriage & Family	12
			American National Government	6
			Intermediate Algebra	8
			Hydraulics/Pneumatics	5
			American Literature	8
			Introduction to Literature	6
			Mechanical Systems	4
			Industrial Safety	7
			Industrial Electricity	3
			World Civilization I	13
			World Civilization II	3
			Semi-conductor Principles	4
			Active Devices	5
			Print Reading	3
			Networking	7
			COBOL	5
			Internet II	5
			AS-400 Utilities	31
			MS DOS	30
			Unix	27
			ACCESS	8
			Intro to CIS	27
			Principles of Financial Acctg.	12

Lake AVTS

47.0105	AAS	Industrial Electronics	Social Problems	3
52.1202	AAS	Computer Information Systems	General Sociology	4
49.0306	AAS	Marine Technology	General Psychology	2
			Micro Applications I	16
			American Diversity	25
			Public Speaking	21
			General Sociology	12
			General Psychology	8
			Am/National Government	8
			Applied Wellness	11
			Introduction to Literature	6
			Introduction to Fire Fighting I	17
			Introduction to Fire Fighting II	17
			Introduction to Fire Fighting III	14
			Introduction to Fire Fighting IV	14
			Introduction to Fire Fighting V	15
			Introduction to Fire Fighting VI	15
			Introduction to Fire Fighting VII	14
			Introduction to Fire Fighting VIII	14
			English Comp I	15
			Principles of Economics-Macro	3
			Introduction to Chemistry w/Lab	10
			Elementary Algebra	13
			Elementary College Physics	5
			Aerobics	4
			College Algebra	4
			Intermediate Algebra	6
			Social Problems	3
			Operational AMPs	3
			General Biology w/Lab	8
			Basic English Lab	4

Versailles High School

		General Education	English Comp I	2
			English Comp II	1
			General Sociology	1

School of the Osage High School

		General Education	General Psychology	2

Warsaw High School

		General Education	English Comp II	7
			US History Before 1877	12
			Am/National Government	3
			Public Speaking	24

Three Rivers Community College

Pemiscot County Vocational Technical School

CIP Code	Degree/ Certificate	Program Name	Course Titles	Completers Duplicated
15.0201	AAS	Industrial Technology	Industrial Electrical Controls	2
			Applied DC/AC Circuits	4
			Hydraulics & Pneumatics	2

15.0603	Certificate	Industrial Technician	Applied DC/AC Circuits Blueprint Reading & Gauging Hydraulics & Pneumatics Industrial Safety Industrial Electrical Controls	4 1 2 1 1
15.0702	Certificate	Quality Control Technician	Blueprint Reading & Gauging Applied DC/AC Circuits	1 2
15.0303	Certificate	Electrical Technician	Blueprint Reading & Gauging Applied DC/AC Circuits Industrial Electrical Controls Hydraulics & Pneumatics	1 3 2 2
47.0303	AAS	Industrial Maintenance	Industrial Electrical Controls Applied DC/AC Circuits Hydraulics & Pneumatics	1 1 2

Kennett Area Vocational Technical School

15.0201	AAS	Industrial Technology	Computer Aided Drafting Industrial Electrical Controls Hydraulics & Pneumatics Computer Literacy English Comp. I Fundamentals of Speech National & State Government	3 1 1 3 4 3 4
47.0303	AAS	Industrial Maintenance	Computer Literacy English Comp. I National & State Government	1 2 3
15.0603	Certificate	Industrial Technician	Industrial Safety Industrial Electrical Controls	1 1
15.0303	Certificate	Electrical Technician	Industrial Electrical Controls	1

Malden Higher Education Center

15.0201	AAS	Industrial Technician	English Comp. I National & State Government Computer Literacy Foundations of Speech Physics	98 141 95 33 17

New Madrid County Area Vocational Technical School

15.0201	AAS	Industrial Technology	Applied DC/AC Circuits Industrial Electrical Controls National & State Government Fundamentals of Speech English Comp. I	3 2 1 3 1
47.0303	AAS	Industrial Maintenance	Applied DC/AC Circuits Industrial Electrical Controls	3 2
15.0603	Certificate	Industrial Technician	Applied DC/AC Circuits	2
15.0303	Certificate	Electrical Technician	Applied DC/AC Circuits Industrial Electrical Controls	4 2

Sikeston Career and Technology Center or Sikeston Area Higher Education Center

47.0303	AAS	Industrial Maintenance	Industrial Safety Computer Literacy National & State Government Introduction to Physics English Comp. I	3 7 6 5 10
15.0603	Certificate	Industrial Technician	Computer Literacy	4
15.0702	Certificate	Quality Control Technician	Blueprint Reading & Gauging Computer Literacy	1 4
15.0302	Certificate	Electrical Technician	Computer Literacy	6
15.0201	AAS	Industrial Technology	Computer Literacy English Comp. I National & State Government Hydraulics & Pneumatics	3 4 1 1

Current River Area Vocational Technical School

15.0603	Certificate	Industrial Technician	Computer Literacy	2
15.0702	Certificate	Quality Control Technician	Computer Literacy	2
15.0303	Certificate	Electrical Technician	Computer Literacy	2
15.0201	AAS	Industrial Technology	Computer Literacy Fundamentals of Speech	2 5

Instructional Site: Poplar Bluff Technical Career Center

48.0501	Certificate	Machine Shop	Machine Shop I Machine Shop II	5 4

SMSU—West Plains

South Central Career Center

CIP Code	Degree/ Certificate	Program Name	Course Titles	Completers Duplicated
48.0101	AAS	Industrial Technology – Manufacturing Machine	Manufacturing Machine Tech. I Machine Metallurgy Manufacturing Machine Tech. II Intro to CNC Manufact. and Machine Tech. III Advanced CNC Manufacturing and Machine Appl. Manuf. and Machine Hydraulics	7 7 7 7 7 7 7 7
48.0101	AAS	Industrial Technology – Mechanical Drafting	Technical Drafting Intermediate Drafting/Metrology Descriptive Geometry Dimensioning and Tolerancing Advanced Drafting and CAD Tool and Die Design CAD Applications	7 7 7 7 7 7 7

48.0101	AAS	Industrial Technology - Welding	Intro to Welding I	12
			Fundamentals of Welding	12
			Metallurgy	12
			Welding II	12
			Cutting Techniques for Welding	12
			Inert Gas Welding I	12
			Inert Gas Welding II	12
			Welding Fabrication I	12
			Welding Fabrication II	12

Missouri Western State College

Farmland Industries Building—Kansas City North

CIP Code	Degree/ Certificate	Program Name	Course Titles	Completers Duplicated
15.0603	AAS	Manufacturing Engineering Technology	CNC Machining Processes	6

Northland Career Center

15.0603	AAS	Manufacturing Engineering Technology	Welding Processes	7

Table 14
SUMMARY OF STUDENT PERSISTENCE TO GRADUATION
Technical Programs Certificates/Degrees Conferred

Targeted Designations	FY 1995 Baseline	FY 1996 Baseline	FY 1997 (Yr. 1)	FY 1998 (Yr. 2)	FY 1999 (Yr. 3)	FY 2000 (Yr. 4)
Technical Certificates	**294** 26%	**372** 30%	**385** 36%	**329** 24%	**347** 15%	**387** 14%
Technical AAS/AS Degrees	**819** 74%	**858** 70%	**686** 64%	**1,044** 76%	**950** 40%	**1,020** 38%
Technology Bachelor Degrees	**NA**	**NA**	**NA**	**NA**	**1,093** 45%	**1,289** 48%
Total Targeted Graduations	**1,113**	**1,230**	**1,071**	**1,373**	**2,390**	**2,696**

Note: Includes all public two- and four-year institutions conferring targeted technical certificates, AAS/AS degrees, and technology bachelor degrees (does not include engineering).

Table 15
SUMMARY OF STUDENT PERSISTENCE TO GRADUATION
Certificates Conferred

Certificate Designations	FY 1995 Baseline	FY 1996 Baseline	FY 1997 (Yr. 1)	FY 1998 (Yr. 2)	FY 1999 (Yr. 3)	FY 2000 (Yr. 4)
All Vocational/Technical	1,214	1,475	1,451	1,847	1,801	1,723
Targeted Certificates Conferred	**294** 24%	**372** 25%	**385** 27%	**329** 17%	**347** 19%	**387** 23%

Note: Includes all public two- and four-year institutions conferring technical certificates. Certificates include both one- and two-year curricula.

Table 16
STUDENT PERSEISTENCE TO GRADUATION
Certificates Conferred

Targeted Certificate Areas	FY 1995 Baseline	FY 1996 Baseline	FY 1997 (Yr. 1)	FY 1998 (Yr. 2)	FY 1999 (Yr. 3)	FY 2000 (Yr. 4)
Computer/Information Systems	32	50	96	100	79	130
Engineering Technology Related	65	137	128	59	70	51
Advanced Health Occupations	73	84	53	57	66	65
Mechanics and Repairers	81	74	62	67	74	94
Precision Production Trades	38	26	44	43	58	46
Science Technologies	5	1	2	7	0	0
Total Certificates Conferred	**294**	**372**	**385**	**329**	**347**	**387**

Note: Includes all public two- and four-year institutions conferring technical certificates. Certificates include both one- and two-year curriculum.

Table 17
SUMMARY OF STUDENT PERSISTENCE TO GRADUATION
Associate Degrees Conferred

Degree Designations	FY 1995 Baseline	FY 1996 Baseline	FY 1997 (Yr. 1)	FY 1998 (Yr. 2)	FY 1999 (Yr. 3))	FY 2000 (Yr. 4)
All Associate Degrees *(AA, AS, AAS)*	6,075	6,199	5,830	6,783	6,708	6,790
All Vocational/Technical Associate Degrees *(AAS, AS Degrees)*	3,022 50%	3,082 50%	2,462 42%	3,117 45%	2,938 45%	2,939 42%
Targeted Degrees Conferred	**819** 14%	**858** 14%	**686** 12%	**1,044** 15%	**950** 14%	**1,020** 15%

Note: Includes all public two- and four-year institutions conferring associate degrees.

Table 18
STUDENT PERSISTENCE TO GRADUATION
Associate Degrees Conferred

Targeted Occupational Areas	FY 1995 Baseline	FY 1996 Baseline	FY 1997 (Yr. 1)	FY 1998 (Yr. 2)	FY 1999 (Yr. 3)	FY 2000 (Yr. 4)
Computer/Information Systems	128	122	101	104	96	157
Engineering Technology	286	283	185	249	245	280
Advanced Health Occupations	279	303	279	338	348	282
Mechanics and Repairers	33	47	12	146	109	133
Precision Production Trades	85	94	106	196	144	161
Science Technologies	8	9	3	11	8	7
Targeted AAS/AS Degrees Conferred	**819**	**858**	**686**	**1,044**	**950**	**1,020**

Note: Includes all public two- and four-year institutions conferring technical associate degrees.

Table 19
STUDENT PERSISTENCE TO GRADUATION
Bachelor Degrees Conferred

Targeted Occupational Areas	FY 1995 Baseline	FY 1996 Baseline	FY 1997 (Yr. 1)	FY 1998 (Yr. 2)	FY 1999 (Yr. 3)	FY 2000 (Yr. 4)
Computer/Information Systems					599	804
Engineering Technology					201`	260
Advanced Health Occupations					214	175
Mechanics and Repairers					NA	NA
Precision Production Trades					76	48
Science Technologies					3	2
Targeted Bachelor Degrees Conferred					**1,093**	**1,289**

Note: Includes all public four-year institutions conferring technology bachelor degrees.

Table 20
MEDIAN ANNUAL EARNINGS OF GRADUATES
Targeted Technical Programs

Level	1994/95 Baseline	1995/96 Baseline	1996/97 (Yr. 1)	1997/98 (Yr. 2)
One- and Two-year Technical Certificates	$27,291 N=169	$28,521 N=275	$27,963 N=335	$25,723 N=242
Two-year Technical AAS/AS Degrees	$28,958 N=614	$26,383 N=632	$28,374 N=547	$26,802 N=789
Four-year Technology Bachelor Degrees (Not including BS engineering degrees)	$33,715 N=909	$31,615 N=868	$35,034 N=867	$36,831 N=890

Note: Earnings compiled 13 months after graduation. These data include a representative sample of graduates from public two- and four-year institutions conferring technical certificates, associate, and technology bachelor degrees. Earnings have been statistically controlled for race, age, and gender, but not prior earnings before education and training).

Table 21
MEDIAN ANNUAL EARNINGS OF FY 1998 TARGETED TECHNICAL GRADUATES

Targeted Technical Programs	Certificates (1- and 2-years)	AAS/AS	Bachelor's (not engineering)
Computer Information Systems	$28,554	$30,533	$41,545
Engineering-Related Technologies	$26,479	$26,671	$37,070
Advanced Level Health Occup.	$26,184	$26,626	$32,938
Mechanics and Repairers	$21,985	$22,980	NA
Precision Production Trades	$23,306	$25,997	$28,628

(Note: Earnings have been statistically controlled for race, age, and gender, but not prior earnings before education and training).

Table 22
MEDIAN ANNUAL EARNINGS OF ASSOCIATE DEGREE GRADUATES
Targeted Technical Programs

Targeted Programs	1994/95 Baseline	1995/96 Baseline	1996/97 (Yr. 1)	1997/98 (Yr. 2)
Computer/Information Systems	$26,896 N=84	$25,960 N=78	$28,203 N=69	$30,533 N=118
Engineering Technology Related	$26,037 N=202	$25,600 N=193	$28,445 N=136	$26,671 N=134
Advanced Health Occupations	$26,346 N=246	$28,491 N=265	$30,193 N=257	$27,626 N=283
Mechanics & Repairers	$23,783 N=31	$24,138 N=47	$25,247 N=20	$22,980 N=124
Precision Production Trades	$22,832 N=45	$22,433 N=40	$22,388 N=65	$22,997 N=130
Science Technologies	$29,944 N=6	$27,499 N=9	NA	NA

Note: Earnings compiled 13 months after graduation. These data include a representative sample of graduates from public two- and four-year institutions conferring technical certificates, associate, and technology bachelor degrees.

Table 23
MEDIAN ANNUAL EARNINGS OF GRADUATES
Computer Information System Programs

Level	1994/95 Baseline	1995/96 Baseline	1996/97 (Yr. 1)	1997/98 (Yr. 2)
One- and Two-year Technical Certificates	$29,129 N=16	$24,877 N=17	$26,484 N=40	$28,554 N=42
Two-year Technical AAS/AS Degrees	$26,896 N=84	$25,960 N=78	$28,203 N=69	$30,533 N=118
Four-year Technology Bachelor Degrees	$35,321 N=138	$35,442 N=106	$40,421 N=129	$41,545 N=153

Note: Earnings compiled 13 months after graduation. These data include a representative sample of graduates from public two- and four-year institutions conferring technical certificates, associate, and technology bachelor degrees.

Table 24
MEDIAN ANNUAL EARNINGS OF GRADUATES
Engineering-Related Technology Programs

Level	1994/95 Baseline	1995/96 Baseline	1996/97 (Yr. 1)	1997/98 (Yr. 2)
One- and Two-year Technical Certificates	$25,343 N=34	$37,892 N=105	$38,641 N=94	$26,479 N=27
Two-year Technical AAS/AS Degrees	$26,037 N=202	$25,600 N=193	$28,445 N=136	$26,671 N=134
Four-year Technology Bachelor Degrees	$30,867 N=867	$32,883 N=594	$35,534 N=588	$37,070 N=569

Note: Earnings compiled 13 months after graduation. These data include a representative sample of graduates from public two- and four-year institutions conferring technical certificates, associate, and technology bachelor degrees.

Table 25
AVERAGE ANNUAL EARNINGS OF GRADUATES
Advanced Level Health Occupations Programs

Level	1994/95 Baseline	1995/96 Baseline	1996/97 (Yr. 1)	1997/98 (Yr. 2)
One- and Two-year Technical Certificates	$22,186 N=55	$20,710 N=90	$21,977 N=136	$26,184 N=117
Two-year Technical AAS/AS Degrees	$26,346 N=246	$28,491 N=265	$30,193 N=257	$27,626 N=283
Four-year Technology Bachelor Degrees	$27,199 N=99	$25,848 N=110	$29,017 N=100	$32,938 N=96

Note: Earnings compiled 13 months after graduation. These data include a representative sample of graduates from public two- and four-year institutions conferring technical certificates, associate, and technology bachelor degrees.

Table 26
MEDIAN ANNUAL EARNINGS OF GRADUATES
Mechanic & Repairer Occupation Programs

Level	1994/95 Baseline	1995/96 Baseline	1996/97 (Yr. 1)	1997/98 (Yr. 2)
One- and Two-year Technical Certificates	$21,842 N=39	$26,457 N=44	$28,101 N=42	$21,985 N=31
Two-year Technical AAS/AS Degrees	$23,783 N=31	$24,138 N=47	$25,247 N=20	$22,980 N=124
Four-year Technology Bachelor Degrees	NA	NA	NA	NA

Note: Earnings compiled 13 months after graduation. These data include a representative sample of graduates from public two- and four-year institutions conferring technical certificates, associate, and technology bachelor degrees.

Table 27
MEDIAN ANNUAL EARNINGS OF GRADUATES
Precision Production Occupation Programs

Level	1994/95 Baseline	1995/96 Baseline	1996/97 (Yr. 1)	1997/98 (Yr. 2)
One- and Two-year Technical Certificates	$28,253 N=24	$26,050 N=18	$26,097 N=22	$23,306 N=24
Two-year Technical AAS/AS Degrees	$22,832 N=45	$22,433 N=40	$22,388 N=65	$25,997 N=135
Four-year Technology Bachelor Degrees	$23,023 N=65	$25,362 N=58	$25,429 N=50	$28,628 N=72

Note: Earnings compiled 13 months after graduation. These data include a representative sample of graduates from public two- and four-year institutions conferring technical certificates, associate, and technology bachelor degrees.

Table 28
SUMMARY OF COMPLETERS PLACED IN RELATED JOBS
From Targeted Technical Certificate and Associate Degree Program

Occupational Areas	FY 1997 (Yr. 1) 1996/1997	FY 1998 (Yr. 2) 1997/1998	FY 1999 (Yr. 3) 1998/1999
All Vocational/Technical Completers	*4,694*	*3,887*	*3,649*
All Vocational/Technical Completers Placed in Related Jobs or Continuing Education	*3,515* *74.9%*	*2,832* *72.9%*	2,696 73.8%
All Targeted Technical Program Completers	**1,322**	**1,358**	**1,105**
All Targeted Technical Program Completers Placed in Related Jobs or Continuing Education	**897** 67.9%	**878** 64.5%	**782** 70.8%

Computer/Information Systems	67.0%	53.5%	68.2%
Engineering Technology Related	63.9%	60.2%	70.7%
Advanced Health Occupations	75%	68.5%	73.4%
Mechanics and Repairers	59.8%	58.5%	74.1%
Precision Production Trades	66.8%	67.2%	69.0%
Science Technologies	76.9%	80.0%	83.0%

Source: DESE Statewide Job Placement Service 180-Day Report published annually. These data derived from the 1996 through 1999 Annual Reports. All data includes targeted postsecondary certificate and AAS/AS degree programs operated by two- and four-year institutions, including SMSU—West Plains and Linn State Technical College.

PROGRAM QUALITY IMPROVEMENT

Table 29
STATUS OF ACCREDITATION
Technical and Engineering Technology Degree Programs
As of End of FY 2000

Crowder College

Degree/ Cert.	Program Name *	Accreditation Name	Targeted Date	Results and Accomplishments Achieved During FY 2000
AAS	Industrial Technology	NAIT	Spring 2001	On-going
Certificate	Welding Technology	AWS	Spring 2001	On-going
Certificate	Machine Tool Technology	NIMS	Spring 2001	On-going
AAS	Automotive Technology	ASE	Already in place	Renewal

East Central College

Degree/ Cert.	Program Name *	Accreditation Name	Targeted Date	Results and Accomplishments Achieved During FY 2000
AAS	Auto Technology	ASE	1999	5 yr. accreditation
AAS/ Cert.	CIS	Microsoft	2000	Certified Professional
AAS/ AA	Electronics	Electronic Testing Center	2000	Instructor became Master Technician

AAS	Dental Assisting	ADA	1996	5 graduates (results of test to be received)
AAS/ Cert.	Drafting Design	ADDA	2002	Began contact
AAS/ Cert.	EMS	MO Bureau Emerg. Medical Service	1999	15 graduates Regional Training Facility
AAS/ Cert.	Graphic Design	PIA	1999 2001	5 yr. Accreditation at Four Rivers Other Sites
AAS/Cert.	HVAC	EPA		Continued as Testing Center
AAS/Cert.	Industrial Engineering	SME	2002	Began contact
AAS/Cert.	Machinist	NTMA	1999	3 yr. Certification at Four Rivers2001
AAS	Nursing	MO State Board of Nursing	1997	18 graduates, 3 licensed (Others have taken test but results have not been received)

Jefferson College

Degree/ Cert.	Program Name *	Accreditation Name	Targeted Date	Results and Accomplishments Achieved During FY 2000
AAS	Automotive Technology	ASE	FY2000	Ongoing
AAS	Welding Technology	AWS	FY2000	Ongoing

Metropolitan Community Colleges

Degree/ Cert.	Program Name *	Accreditation Name	Targeted Date	Results and Accomplishments Achieved During FY 2000
AAS/Cert.	Welding Certificate	AWS	12/10/97	1. Cass Career Center welding instructor took and passed AWS test.
			Spring 2000	2. Funded Herndon Career Center faculty, Brian Wise to prepare program for Level III AWS Certification.
AAS	Automotive Engineering Technologies/Technician	ASE	Spring 1998	Funded Mike Reed, auto body instructor, at the Career & Technology Center at Fort Osage for ASE Certification

			Spring 2000	Funded Bill Oakes, auto mechanics instructor, at the Career & Technology Center at Fort Osage for ASE Certification. Funded Auto Mechanics Program at Fort Osage for ASE Certification. Team visit funded Spring 2000 (decision pending).
			Fall 2000	Heavy Equipment Program at Fort Osage preparing to go through ADE Certification in Fall 2000. Funded Mr. Crifin, Fort Osage heavy equipment instructor, for ASE Certification in Spring 1998.
Certificate	Computer Support Technician Certificate	A+	May 1998	Career & Technology Center at Fort Osage had computer support services instructor receive A+ certification through RTEC funds.
AAS	Automotive Engineer Technologies/Technician	ASE	May 1998 Spring 2000	Funded NATEF evaluation of Joe Herndon Technical School's automotive collision program. 2. Renewed Joe Herndon ASE Certification in Auto Collision.
AAS/Cert.	Welding Certificate	AWS	Fall 1997	AWS Educational Institution membership for Lex La-Ray Technical School.
AAS	Information Management Program	A+ Certification	Spring 1998	Purchased TIM curriculum for Lex La-Ray Technical Center to prepare students for A+ certification.
AAS	Automotive Engineering Technologies/Technician	ASE	Spring 1998	1. NATEF certification evaluation for Lex La-Ray Technical Center's Collision Repair Program. 2. Program ASE Certified in Spring 1998.
AAS	AAS Automotive Engineering Technologies/Technician	ASE	Fall 1998	1. Funds provided for Northland Career Center instructor to be re-certified in diesel mechanics.

			Fall 1999	2. Funded ASE Certification visit for Northland Career Center for the Medium/Heavy Truck Technician Training Program. Certification was received in the following areas: Diesel Engines, Suspension & Steering, Brakes, Electrical/Electronic Systems, and Preventive Maintenance Inspection.
AAS	Automotive Technology	ASE	Spring 1999	1. Cass Career Center received ASE Certification in their Automotive Program in the following areas: Automatic Transmissions/Transaxles, Brakes, Electrical/Electronic Systems, Engine Performance, Heating and Air Conditioning, and Suspension and Steering.
			Fall 1999	1. Provided funds for Cass Career Center instructor, Sam Jeanrenaud, ASE re-certification tests in Suspension, Brakes, Electrical & Electronics, Heating & Air, and Engine Performance.
AAS	Automotive Technology	ASE	Fall 1997	1. Funded Lex La-Ray Automotive Program, taught by Paul Young, to be ASE Certified.
AAS	Automotive Technology	ASE	Spring 2000	1. Gary McDaniel, automotive faculty at Excelsior Springs Career Center, had ASE Certification renewal.

AAS	Automotive Technology	ASE	Fall 2000	2. Excelsior Springs Career Center will be funded to go for NATEF Certification.
AAS	Automotive Technology	ASE	Fall 1999	1. Funded Longview Community Colleges 5-year NATEF Certification in the following four programs: • ♦General Automotive Technology Program • ♦General Motors Automotive Service Education Program ♦ Toyota Technical Education Training Program • ♦Ford Automotive Service Education Program 2. Longview received NATEF Certification in all four of the listed programs.
AAS	Automotive Technology	ASE	Fall 1996	1. Joe Herndon Career Center funded for NATEF Certification team visit. Auto Collision Program received its ASE Certification in Fall 1996.
			Fall 1999	2. Joe Herndon Career Center Auto Collision Program re-certified.
			Fall 1999	3. Funded Kent Strodtman, Diesel Mechanics instructor, at Joe Herndon Career Center to take ASE test.

			Spring 2000	4. Funded Tim Chase, automotive faculty at Joe Herndon, to prepare and organize curriculum for NATEF Accreditation. 5. Provided funds for Herndon Career Centers Automotive Program to become NATEF Certified. 6. Funded Joe Herndon NATEF Certification visit for Auto Technology. Program received Certification in Spring 1999.
AAS	Automotive Technology	ASE	Fall 1999	1. Provided funds for NATEF (ASE) Certification for the KCMO School District and team visit in Collision Repair and Refinishing Technician Training Program. Areas to be certified include: Non Structural Analysis and Damage Repair, Structural Analysis and Damage Repair, Plastics and Adhesives, and Painting & Refinishing. 2. Provided funds for secretary at KCMO school district.
AAS	Construction Management	AGC Accreditation	Spring 1999	1. Provide funding for curriculum materials ordered from the Builder's Association for the AGC Accreditation Project for Excelsior Career Center and the N.S. Hillyard Technical School. 2. Excelsior Springs Career Center and the N.S. Hillyard Technical School received AGC Accreditation Spring of 1999.

			Spring 2000	3. Provide funding for curriculum materials from the Builder's Association for the AGC Accreditation Project for Northland Career Center, Joe Herndon Career Center, and Cass Career Center. 4. Provided funds to pay Jerry Semsch at Herndon Career Center to work on AGC Accreditation. 5. Funded AGC Certification team visit for Northland, Cass, and Herndon Career Centers. 6. Northland, Cass, and Herndon Career Centers received AGC Accreditations Spring of 2000.
AAS	Construction Management	AGC Accreditation	Fall 2000	1. Lex La-Ray Technical Center will be funded for AGC Certification visit
AAS/Cert.	Welding Certificate	AWS	Fall 1999	1. Cass Career Center welding instructor eye exam for Welding Certification. 2. Provided funding for Cass Career Center AWS License Certification for Stewart Hendrickson. 3. Funded Tim Gill, welding instructor at Lex La-Ray, to receive his AWS Certification as a welding inspector in the Industrial Welding Program.
AAS/Cert.	Welding Certificate	AWS	Spring 1998	1. Tim Gill, welding instructor at Lex La-Ray, funded to become AWS Certified (Tim certified Spring 1998).

			Spring 1998	2. Provided funds for Welding Program at Northland Career Center to achieve AWS Certification.
Certificate	Surgical Technology	Surgical Technology Certification (ARC-ST)	Spring 1999	1. Funded Accreditation and on-site expenses for Penn Valley Surgical Technology Program to be re-certified Spring 1999.
			Fall 1999	2. Penn Valley Surgical Technology Program received it re-certification ARC-ST.
Certificate	Computer Support Technician Certificate	A+	June 1998	Provided funds for A+ certificate training and test fee for Blue River Community College's instructor. A+ certification achieved June of 1998.
Certificate	Computer Support Technician Certificate	Microsoft Certified Professional	April 1998	Provided training and certification for Blue River instructor to become certified as a Microsoft Certified Professional.
AAS/Cert.	Welding Certificate	AWS	May 1998	1. Joe Herndon Career Center's welding instructor fees and test paid for from RTEC funds. Instructor Certified Welding Inspector and Certified Welding Educator.
			Spring 1999	2. Joe Herndon Career Center Welding Program funded for certification team visit. Welding Program received AWS Level III Certification.

AAS	Machine Tool Technology	NIMS (National Institute for Metal Working Skills)	Spring 2000	1. Purchased certification materials from the National Institute for Metalworking Skills (NIMS). 2. Sent two Machine Tool Faculty to NIMS Conference in St. Louis, MO. 3. Funded self-study Fall 1999 for NIMS Team visit in Spring of 2000. 4. Funded NIMS Evaluation Team to BTC Spring 2000. 5. Received NIMS Certification Summer 2000 at BTC.
Certificate	Computer Support Technician Certificate	Microsoft Certified Solution Provider	Spring 2000	1. The Business & Technology Center has become a Microsoft Certified Solution Provider for the Kansas City area.
AAS	Quality Assurance Technology	ISO 9000 Certification	Summer 1999	1. The BTC received ISO 9000 Certification. The BTC was the first College in the US to receive this certification. The BTC now is helping company's design and implement an ISO compliant Quality Management System.
		ISO 9000 Certification	Summer 1999	2. The BTC passed ISO 9002 Surveillance Audit with BUQI. 3. The BTC has developed a time line and implementation plan to successfully attain new 2000 standards for ISO by November 2000.

AAS	Drafting & Design Engineering Technology	Authorized AutoDesk® AutoCAD Training Center	Spring 1999	1. The Business & Technology Center re-certified as an Authorized AutoDesk® AutoCAD Training Center. The BTC received the AutoDesk® AutoCAD Staff & Facilities Award.
AAS	Physical Therapist Assistant	Physical Therapist Licensing Exam	Spring 1999	1. Twenty-four Penn Valley students took PT Licensing Exam with 95.8% passing. The national average for this test is 70.6% passing.
AAS	Radiologic Technology	Radiologic Technology Exam	Fall 1999	1. Penn Valley had 14 Radiologic students take the exam in Radiologic Technology with 100% passing.
AAS	Occupational Therapy Assistant	Accreditation Council for Occupational Therapy Education (COTA Exam)	Summer 1999	1. Penn Valley had 29 students take the Occupational Therapy Assistant COTA Examinations with 96.55% passing.

Mineral Area College

Degree/ Cert.	Program Name *	Accreditation Name	Targeted Date	Results and Accomplishments Achieved During FY 2000
AVTS Certificate	Welding Technology	American Welding Society	UniTec recertified 2001 Perryville 2001 Cape 2002	Accreditation progress continued at Perryville Career Center,UniTec, Cape CTC. Paid for the AWS Certified Welding Inspector Renewal Application for instructor at Cape CTC. Revision to existing curriculum to meet certification standards. Funded AWS exams and site certification for AVTSs.

A.S. and Tech Prep	Automotive Technology	Automotive Services Excellence	UniTec recertified 2000. Cape certified 2000.	Continued to fund accreditation and recertification efforts at UniTec Career Center. Paid for UniTec ASE certificate agency site fees and program audits. Purchased equipment upgrades required for accreditation at UniTec,Cape CTC.
A.S. and Tech Prep	Automobile Service Technology	Automotive Service Excellence	Perryville received accreditation in 2000. UniTec recertification in 2001. Cape 2002.	Perryville received accreditation in 2000. Purchased equipment and/or supplies and team visit for Perryville AVTS, Accreditation progress continued at UniTec. Accreditation progress continued at Cape CTC. Purchased Refrigerant Recovery and Recycling Grading Sheets for Cape CTC. AVTSs to continue recertification processes. Funded certification exams and site certifications at AVTSs.
A.S. and Tech Prep	Automobile Collision Technology	Automotive Service Excellence	Perryville received accreditation in 2000. UniTec recertified in 2000. Cape 2002	Perryville received accreditation in 2000. Unitec recertified in 2000. Purchased equipment and/or supplies and team visit for Perryville AVTS. Accreditation progress continued at Cape CTC. Allowed AVTSs to continue recertification processes. Allowed AVTS purchases required or to make revisions to existing curriculum to meet certification standards. Funded certification exams and site certification for AVTSs.

A.S. and Tech Prep	Graphic Arts	Printing Institute of America	Perryville received accreditation in 2000. UniTec recertification in 2001. Cape 2002.	Perryville received accreditation in 2000. Accreditation progress continued at UniTec. Accreditation progress continued at Cape CTC. Provided for PrintEd Fast Track Accreditation Fees for Cape CTC. Provided funding for GAERF/PrintEd Offset Printing Accreditation at Cape CTC. Allowed AVTSs to continue recertification processes. Allowed AVTS purchases required or to make revisions to existing curriculum to meet certification standards. Funded certification exams and site certification for AVTSs.
A.S. and Tech Prep	Electronics	In. Soc. Of Certified Electrical Technicians	UniTec in 2001	Accreditation progress continued at UniTec. Purchased equipment and/or supplies for Perryville CTC. Funded any necessary workshops or professional development activities for teacher certification at AVTSs. Allowed AVTSs to continue recertification processes. Allowed AVTS purchases required or to make revisions to existing curriculum to meet certification standards. Funded certification exams and site certification for AVTSs.

A.S.	CAD/CAM	Accreditation Board for Engineers and Technicians	MAC in 2002	Accreditation progress continued at MAC. Funded any necessary workshops or professional development activities for teacher certification at AVTSs and MAC. Allowed AVTS purchases required or to make revisions to existing curriculum to meet certification standards. Funded certification exams and site certification for AVTSs and MAC.
A.S.	Electronics	ABET A Plus Certificate	MAC 2002 Perryville 2002	Accreditation progress continued at MAC. Accreditation progress continued at Perryville. Purchased equipment and/or supplies for Perryville CTC. Funded any necessary workshops or professional development activities for teacher certification at AVTSs and MAC. Allowed AVTS purchases required or to make revisions to existing curriculum to meet certification standards. Funded certification exams and site certification for AVTSs and MAC.
A.S. and Tech Prep	Civil Engineering	ABET	All AVTSs by 2002 MAC by 2002	Accreditation progress continued at all sites. Purchased equipment and/or supplies for Perryville CTC. Funded any necessary workshops or professional development activities for teacher certification at AVTSs and MAC. Allowed AVTS purchases required or to make revisions to existing curriculum to meet certification standards. Funded certification exams and site certification for AVTSs and MAC.

A.A.S., A.S. and Tech Prep	Manufacturing	ABET	All AVTSs by 2002 MAC by 2002	Accreditation progress continued at all sites. Funded any necessary workshops or professional development activities for teacher certification at AVTSs and MAC. Allowed AVTS purchases required or to make revisions to existing curriculum to meet certification standards. Funded certification exams and site certification for AVTSs and MAC.
AVTS Certificate	HVAC	EPA	UniTec recertification in 2001 Perryville accreditation 2002	Accreditation progress continued at UniTec. Accreditation progress continued at Perryville. Funded any necessary workshops or professional development activities for teacher certification at AVTSs and MAC. Funded HVAC instructor certifications for UniTec faculty. Funded 13 students' EPA Certification Tests for Cape CTC. Provided funds for selected AVTSs to become Freon Recovery sites and helped them complete preparation for Freon Recovery Testing Site Designation.
A.A.S.	Industrial Maintenance	NAIT	MAC by 2002	Accreditation progress continued at Mineral Area College. Provided for additional room rental for Industrial Maintenance program at Cape CTC. Provided for instructor to attend National Electric Code class from Cape CTC.

A.A.S.	Computer Networking	MAC computer services faculty are determining the appropriate agency. CISCO is being considered.	MAC by 2002.	Accreditation progress continued at Mineral Area College. Students were encouraged to take Microsoft and Novell individual certification tests following completion of program.
A.A.S.	Operations Management and Manufacturing Supervision	AMA	MAC by 2002	Accreditation process at Mineral Area College began to be explored. The American Management Association continues to be considered.
A.A.S.	Occupational Safety, Health and Environment	(Not Determined)	MAC by 2003.	Accreditation at Mineral Area College discussion continued.
AVTS Certificate	Construction/Building Trades	ABC	All AVTSs by 2002 MAC by 2002	Began working with Perryville Area Career and Technology Center on their accreditation requirements. Began exploring accreditation at Mineral Area College.
A.A.S.	Machine Tool Technology	NAIT	MAC by 2003	Accreditation progress at Mineral Area College.

Moberly Area Community College

Degree/ Cert.	Program Name *	Accreditation Name	Targeted Date	Results and Accomplishments Achieved During FY 2000
AAS/Cert.	Industrial Technology	NTMA	2001	1. Began development of modularized curriculum similar to that recommended by NTMA. 2. Hired a full time instructor. 3. Acquired CNC and other required equipment.
AAS/Cert.	Computer Information Systems	Microsoft Academic Partnership Novell Academic Partnership	(May 2000) (May 1999)	
AAS/Cert.	Graphic Arts Technology	GATF PIA	Spring 2001	
AAS/Cert.	Drafting and Design Technology			
AAS/Cert.	Industrial Elec./Elec. Technology	NAIT	Spring 2001	1. Hired a full-time instructor.

North Central Missouri College (No Activity)

Ozarks Technical Community College

Degree/ Cert.	Program Name *	Accreditation Name	Targeted Date	Results and Accomplishments Achieved During FY 2000
AAS	Electronics Technology	EIA (Electronics Industries Alliance) NAIT (National Association Industrial Technology)	2000 2001	Contacted the National Association Industrial Technology organization and began research with other accredited institutions to assess status of the local program. Developed planning timeline and reviewed accreditation process. Made equipment and facility recommendations based on self-study findings.
AAS	Printing Technology	PIA (Printing Industries of America Incorporated)	2000	Developed accreditation goals as a priority item for inclusion into the college's strategic planning objectives.
AAS	Industrial Maintenance Technology	NAIT (National Association Industrial Technology)	2001	Contacted the National Association Industrial Technology organization and began research with other accredited institutions to assess status of the local program. Developed planing timeline and reviewed accreditation process.
AAS	Manufacturing Technology	NAIT (National Association Industrial Technology) NIMS (National Institute for Metalworking Skills Incorporated)	2001	1. Contacted the National Association Industrial Technology organization and began research with other accredited institutions to assess status of the local program. Developed planing timeline and reviewed accreditation process. Contacted National Association Industrial Technology and National Institute for Metalworking Skills Incorporated.

AAS	Welding Technology	AWS (American Welding Society)	2000	1. Formed advisory group and began the process of identifying full and part-time staff to complete application for designation as an American Welding Society Test Facility. 2. Completed American Welding Society Test facility self-study. 3. Supported instructor certifications as American Welding Society Institution Membership. 5. Received designation as a registered American Welding Society School Excelling through National Skills Education certified training facility for Level I entry level and Level II advanced level certification training. 6. Made equipment and facility recommendations to obtain testing facility designation and achieve Level III certification.

St. Charles County Community College

Degree/ Cert.	Program Name *	Accreditation Name	Targeted Date	Results and Accomplishments Achieved During FY 2000
AAS	Occupational Therapy Assistant	AOTA	2000	Offered first class of students in fall 1999
AAS	Criminal Justice	ACJS	2001	Continue to assess feasibility of pursuing this process

St. Louis Community College District

Degree/ Cert.	Program Name *	Accreditation Name	Targeted Date	Results and Accomplishments Achieved During FY 2000
AAS	Nursing	National League-Nursing	Achieved	
AAS	Dietetic Technology	Commission on Accreditation for Dietetics Education (CADE)	Achieved	Renewal, self study, site visit scheduled for 2003
AAS	Mechanical Engineering Technology	ABET	Renewed	

AAS	Electrical/Electronics Engineering Tech.	ABET	Renewed	
AAS	Dental Hygiene	ADA, Commission on Dental Hygiene	Achieved	
AAS	Respiratory Therapy	Joint Review Committee	Achieved	
Certificate	Ultra Sound Technology	Joint Review Committee	Achieved	
Certificate	Surgical Technology	Joint Review Committee	Achieved	
AAS	Automotive Technology	ASE, FORD ASSET, NATEF	Achieved	
AS/AFA	Art	National Association of Schools of Art and Design	Achieved	
AAS	Allied Health	Committee on Allied Health Education and Accreditation (CAHEA)	Achieved	
AAS	Occupational Therapy Assistant	American Occupational Therapy Association (AOTA)	Achieved	
AAS	Physical Therapy Assistant	American Physical Therapy Association (APTA)	Acheived	

State Fair Community College

Degree/ Cert.	Program Name *	Accreditation Name	Targeted Date	Results and Accomplishments Achieved During FY 2000
AAS	Design Drafting	NOCTI AutoCAD 2000	Took test 7/00 6/2000	
AAS	Industrial Maintenance Technology	NAIT Self Study	8/2000	
AAS	Computer Information Systems-Networking	MSCE CISCO A+	In Process 9/1999 In Process	
AAS	Marine Mechanics	NOCTI OMC Certification	1999-2000 Maintained	Instructor certified with ABYC Standard via NOCTI testing.

Three Rivers Community College

Degree/ Cert.	Program Name *	Accreditation Name	Targeted Date	Results and Accomplishments Achieved During FY 2000
AAS	Industrial Technology	NAIT	2002	Researched Process for Accreditation Consulted with appropriate college personnel to pursue accreditation.

SMSU—West Plains

Degree/ Cert.	Program Name *	Accreditation Name	Targeted Date	Results and Accomplishments Achieved During FY 2000
AAS	Industrial Technology – Manufacturing Machine	NAIT	2003	Instructor attended SME sponsored NAIT Accreditation Workshop and obtained information.
AAS	Industrial Technology – Mechanical Drafting	NAIT	2003	Instructor attended SME sponsored NAIT Accreditation Workshop and obtained information.
AAS	Industrial Technology - Welding	NAIT	2003	Instructor attended SME sponsored NAIT Accreditation Workshop and obtained information.
AAS	General Technology	NAIT	2003	Instructor attended SME sponsored NAIT Accreditation Workshop and obtained information.

Missouri Western State College

Degree/ Cert.	Program Name *	Accreditation Name	Targeted Date	Results and Accomplishments Achieved During FY 2000
AAS	Manufacturing Engineering Technology	ABET	2001	An internal review was made to identify weaknesses. An outside consultant then made a visit making additional comments

Accredited Technology and Engineering Programs of Public Four-year Institutions

Institutions	Programs	Accrediting Agency	Accreditation Status
Central Missouri State University	Industrial Technology – Manufacturing Management, BS	NAIT	ACCREDITED
Missouri Southern State College	Computer Aided Drafting and Design, BS	ABET	ACCREDITED
Missouri Western State College	Electronics Engineering Technology, BS	ABET	ACCREDITED
	Construction Engineering Technology, BS	ABET	ACCREDITED
Southeast Missouri State University	Industrial Technology, BS	NAIT	ACCREDITED
University of Missouri--Columbia	Biological Engineering, BSBE	ABET	ACCREDITED
	Chemical Engineering, BSCHE	ABET	ACCREDITED
	Civil Engineering, BSCIE	ABET	ACCREDITED
	Computer Engineering, BSCOE	ABET	
	Electrical Engineering, BSEE	ABET	ACCREDITED
	Industrial Engineering, BSIE	ABET	ACCREDITED
	Mechanical Engineering, BSME	ABET	ACCREDITED
			ACCREDITED
University of Missouri--Rolla	Ceramic Engineering, BS	ABET	ACCREDITED
	Aerospace Engineering, BS	ABET	ACCREDITED
	Chemical Engineering, BS	ABET	ACCREDITED
	Civil Engineering, BS	ABET	ACCREDITED
	Electrical Engineering, BS	ABET	ACCREDITED
	Engineering Management, BS	ABET	ACCREDITED
	Geological Engineering, BS	ABET	ACCREDITED
	Mechanical Engineering, BS	ABET	ACCREDITED
	Metallurgical Engineering, BS	ABET	ACCREDITED
	Mining Engineering, BS	ABET	ACCREDITED
	Nuclear Engineering, BS	ABET	ACCREDITED
	Petroleum Engineering, BS	ABET	ACCREDITED

Independent Four-year Institutions

Institutions	Programs	Accrediting Agency	Accreditation Status
Saint Louis University	Aerospace Engineering, BSAE	ABET	ACCREDITED
	Electrical Engineering, BSEE	ABET	ACCREDITED
	Mechanical Engineering, BSME	ABET	ACCREDITED
Washington University	Chemical Engineering, BS	ABET	ACCREDITED
	Civil Engineering, BS	ABET	ACCREDITED
	Civil Technology, BT	ABET	ACCREDITED
	Electrical Technology, BT	ABET	ACCREDITED
	Mechanical Engineering, BS	ABET	ACCREDITED
	Mechanical Technology, BT	ABET	ACCREDITED
	Systems Science & Engineering, BS	ABET	ACCREDITED

Table 30

ABBREVIATIONS TO NAMES OF ACCREDITATION AGENCIES/ASSOCIATIONS

Abbreviations	Full Name
ABET	Accreditation Board for Engineering Technology
ACOTA	Accreditation Council for Occupational Therapy
ADA	American Dental Association—Commission on Dental Hygiene
ADDA	Auto Desk Drafting and Design Accreditation
AGC	Associated General Contractors
AMA	American Management Association
AOTA	Accreditation Council for Occupational Therapy Assistants
APTA	American Physical Therapy Association
ARCST	Accreditation Review Committee for Surgical Technology
ASE	Automotive Service Excellence
AWS	American Welding Society
CAAHEP	Committee on Accreditation of Allied Health Education Programs—Joint Review Committee
CADE	Commission on Accreditation for Dietetics Education
CAPTE	Commission on Accreditation of Physical Therapy Education
CISCO	Cisco, Inc.—Computer Networking Certification
COHRC	Committee on Accreditation for Respiratory Care
EIA	Electronics Industries Alliance
EPA	Federal Environmental Protection Agency
FAA	Federal Aviation Agency
FCC	Federal Communications Commission
GATF	Graphics Arts Technology Federation
ISCET	International Society of Certified Electrical Technicians
JRCDMS	Joint Review Committee in Diagnostic Medial Sonography
JRCEST	Joint Review Committee on Education for the Surgical Technologist
JRCERT	Joint Review Committee in Education in Radiological Technology
MDA	Marine Dealers Association—American Boat and Yacht Club
Microsoft	Microsoft—Certified Network Administrators
NACC	National Association of Communications Contractors
NAIT	National Accreditation of Industrial Technologies
NASAD	National Association of School of Art and Design
NATEF	National Automotive Technicians Education Federation
NIMS	National Institute for Metal Working Skills
NLN	National League of Nursing
NOCTI	National Occupational Competency Testing Institute
Novell	Novell Academic Partnership
NTMA	National Tool Machinists Association
PIA	Printing Industry of America
SENSE	Schools Excelling Through National Skills Excellence
SME	Society of Manufacturing Engineers
Windows NT	Microsoft Windows Network Certification

PROGRAM QUALITY IMPROVEMENT

Table 31
USE OF INDUSTRY-BASED SKILL ASSESSMENT OF GRADUATES
in Targeted Technical Programs
(Effective June 30, 2000)

Crowder College

Degree/ Certificate	Program Name	Applicable Specialized Industry-Based Assessment Instrument	Description of Activities Undertaken and Accomplished During FY 2000
AAS/ Certificate	Industrial Technology	National Occupational Competency Testing Institute (NOCTI)	• Become an authorized testing center – achieved dual status as an industrial and educational test administrator • Nationally validated assessment device – 140 validated tests available

East Central College

Degree/ Certificate	Program Name	Applicable Specialized Industry-Based Assessment Instrument	Description of Activities Undertaken and Accomplished During FY 2000
AAS	Drafting Design	ADDA	Began contact
AAS	Electronics	ETA	Testing Center
AAS/Cert.	Graphic Design	Industry Internship, PTA	Began negotiations
AAS/Cert.	HVAC	EPA	Students must receive 72% to pass
AAS/Cert.	Industrial Engineering	SME	Began contact
AAS/Cert.	Precision Machining	Journeyman Cards	

Jefferson College

Degree/ Certificate	Program Name	Applicable Specialized Industry-Based Assessment Instrument	Description of Activities Undertaken and Accomplished During FY 2000
	Business & Technology Center	WorkKeys	

Metropolitan Community Colleges

Degree/ Certificate	Program Name	Applicable Specialized Industry-Based Assessment Instrument	Description of Activities Undertaken and Accomplished During FY 2000:
AAS	Aviation Maintenance Technology	FAA Airframe & Power Plant License	14 certified.
AAS	Machine Tool Technology	Journeyman machinist Card	While no exact count is available, we have around ten per year that receive their cards.
AAS	Automotive Technology	ASE	Students take ASE test after leaving the Automotive Program.
AAS	Welding Technology	AWS	Ten students took the AWS Certification Welding Test D1.1 and passed.
AAS	HVAC	CFC	75 students passed the CFC Certification.
AAS	HVAC	National Certification/Electrical	4 students passed the National Certification Test.
AAS	HVAC	National Certification/Air Conditioning	4 students passed the National Certification Test.
AAS	Electronic Engineering Technology	ABET	Cannot apply until we have students that have graduated from the program. Program started August 1999.
AAS	Automotive Technology	ASE GM ASEP Program	Twelve students graduating from the Longview General Motors Automotive Service Education program received the 24 to 26 individual certifications for the GM ASEP Program.
		Ford Asset Program	Thirteen students graduating from the Longview Ford Motor Automotive Service Education Program received 24 to 28 individual certifications for the Ford Asset Program.
AAS	Surgical Technology	Surgical Technology Certification	Voluntary test that six students took, five passed the exam in 1998-99.

	Automotive Technology	Toyota T. Ten	Toyota students graduating from Longview automotive Service Education Program received eight individual certifications for the Toyota T. Ten Program.
AAS	Industrial Technologies	Work Keys	1. Funded the student testing in Work Keys for the following number of students at the Northland Career Center in the areas identified: Building Trades 9 students Business Technology 14 students Culinary Arts 9 students Diesel 25 students Electronics 14 students Health Occupations 22 students HVAC 6 students Welding 22 students

Mineral Area College

Degree/ Certificate	Program Name	Applicable Specialized Industry-Based Assessment Instrument	Description of Activities Undertaken and Accomplished During FY 2000
AVTS Certificate	Welding Technology	American Welding Society	5 students passed the AWS certification exam at UniTec. Provided for the recertification of WorkKeys profilers. Paid annual license fee for WorkKeys. Operated and maintained the remote software for downloading profiles and receiving assessments. Paid license fees for profilers.
A.S. and AVTS Certificate	Automotive Technology	Automotive Service Excellence	Provided for the recertification of WorkKeys profilers. Paid annual license fee for WorkKeys. Operated and maintained the remote software for downloading profiles and receiving assessments. Paid license fees for profilers.
A.S., AVTS Certificate and Tech Prep	Automobile Service Technology	Automotive Service Excellence	Perryville AVTS received accreditation. Provided for the recertification of WorkKeys profilers. Paid annual license fee for WorkKeys. Operated and maintained the remote software for downloading profiles and receiving assessments. Paid license fees for profilers.

A.S. and AVTS Certificate	Automobile Collision Technology	Automotive Service Excellence	Perryville AVTS received accreditation. Continued accreditation progress at UniTec Career Center. Continued accreditation progress at Cape AVTS. Provided for the recertification of WorkKeys profilers. Paid annual license fee for WorkKeys. Operated and maintained the remote software for downloading profiles and receiving assessments. Paid license fees for profilers.
A.S., AVTS Certificate and Tech Prep	Graphic Arts	Printing Institute of America	Perryville AVTS received accreditation. Provided for the recertification of WorkKeys profilers. Paid annual license fee for WorkKeys. Operated and maintained the remote software for downloading profiles and receiving assessments. Paid license fees for pofilers.
A.S., AVTS Certificate and Tech Prep	Electronics	In. Soc. Of Certified Electrical Technicians	Provided for the recertification of WorkKeys profilers. Paid annual license fee for WorkKeys. Operated and maintained the remote software for downloading profiles and receiving assessments. Paid license fees for profilers.
A.S. and AVTS Certificate	CAD/CAM	Accreditation Board for Engineers and Technicians	Provided for the recertification of WorkKeys profilers. Paid annual license fee for WorkKeys. Operated and maintained the remote software for downloading profiles and receiving assessments. Paid license fees for profilers.
A.S., AVTS Certificate and Tech Prep	Electronics	ABET	Provided for the recertification of WorkKeys profilers. Paid annual license fee for WorkKeys. Operated and maintained the remote software for downloading profiles and receiving assessments. Paid license fees for profilers.
A.S., AVTS Certificate and Tech Prep	Civil Engineering	ABET	Provided for the recertification of WorkKeys profilers. Paid annual license fee for WorkKeys. Operated and maintained the remote software for downloading profiles and receiving assessments. Paid license fees for profilers.

A.S., AVTS Certificate and Tech Prep	Manufacturing	ABET	Provided for the recertification of WorkKeys profilers. Paid annual license fee for WorkKeys. Operated and maintained the remote software for downloading profiles and receiving assessments. Paid license fees for profilers.
AVTS Certificate	HVAC	EPA	15 out of 22 students passed the Freon Recovery Certification Exam at UniTec. 14 students attempted the EPA Certification Test at the Cape Career and Technology Center. Provided for the recertification of WorkKeys profilers. Paid annual license fee for WorkKeys. Operated and maintained the remote software for downloading profiles and receiving assessments. Paid license fees for profilers.
A.A.S.	Industrial Maintenance	WorkKeys	Began accreditation process at Cape AVTS. Provided for the recertification of WorkKeys profilers. Paid annual license fee for WorkKeys. Operated and maintained the remote software for downloading profiles and receiving assessments. Paid license fees for profilers.
A.A.S.	Computer Networking	Microsoft Certifications	MAC faculty were given the opportunity to continue to progress on becoming certified networking professionals. Students were encouraged to sit for Microsoft and Novell individual certifications following tests. Program curriculum was redesigned to follow the CISCO methodology. Provided for the recertification of WorkKeys profilers. Paid annual license fee for WorkKeys. Operated and maintained the remote software for downloading profiles and receiving assessments. Paid license fees for profilers.

A.A.S.	Operations Management and Manufacturing Supervision	APICS	Students were encouraged to complete appropriate APICS exams related to supervision. Began process of seeking accreditation for MAC program. Provided for the recertification of WorkKeys profilers. Paid annual license fee for WorkKeys. Operated and maintained the remote software for downloading profiles and receiving assessments. Paid license fees for profilers.
A.A.S.	Occupational Health, Safety, and Environmental Technology	Agency not chosen to date.	Provided for the recertification of WorkKeys profilers. Paid annual license fee for WorkKeys. Operated and maintained the remote software for downloading profiles and receiving assessments. Paid license fees for profilers.
A.A.S.	Machine Tool Technology	Agency not chosen to date.	Provided for the recertification of WorkKeys profilers. Paid annual license fee for WorkKeys.

Moberly Area College (No Activity)

North Central Missouri College

Degree/ Certificate	Program Name	Applicable Specialized Industry-Based Assessment Instrument	Description of Activities Undertaken and Accomplished During FY 2000
Cert.AAS	Computer Specialist	A+ Electronic Certification	100% pass rate for Chillicothe students
Cert.AAS	Computer Specialist	Cabling Certification	100% pass rate for Chillicothe students
Cert.AAS	Computer Specialist	Fiber Optics Cabling Certification	100% pass rate for Chillicothe students

Ozarks Technical Community College

Degree/ Certificate	Program Name	Applicable Specialized Industry-Based Assessment	Description of Activities Undertaken and Accomplished During FY 2000
AAS/certificate	Computer Information Technology	1. CAAP-Collegiate Assessment of Academic Proficiency produced by ACT; this nationally normed test is administered during a student's final semester prior to graduation with an associate's degree. The test is a mandatory exit requirement of all graduates. ACT will correlate test results against the ASSET placement exam to determine anticipated academic gains. Students are tested in Math, Reading & Writing. There were 209 out of 213 graduates who sat for the Spring 99 exam. 2. NOCTI- (National Occupational Competency Testing Institute) standardized- criterion-reference written evaluation exams have been developed specific to Ozarks Technical Community College AAS degree programs and will be administered along with locally-developed performance testing. Piloted in January 1999. 3. Performance Assessment-Local Advisory Committees assisted in development of local performance (hands-on) testing. Testing methodology will be refined in 2000. Performance compliments the NOCTI written exam. 4. Microsoft Office User Specialist Certification (Voluntary).	1.1 Implemented in FY98 and administered as an instrument to measure general education foundation skills of AA and AAS degree recipients. Activities and results: 1. Have no less than 95% of degree recipients sit for the exam. 2. Obtain mean scores no less than national in mathematics and writing. 3. Evaluated results to determine if curricular changes are needed. 2.1 National Occupation Competency Testing Institute requires: 1. If adopted, administer as an exit exam for graduating students in AAS program. 2. Determine most feasible method of administering the exam. 3. Establish base line data for future comparison

AAS/certificate	Electronics Technology	1. CAAP-Collegiate Assessment of Academic Proficiency produced by ACT; this nationally normed test is administered during a student's final semester prior to graduation with an associate's degree. The test is a mandatory exit requirement of all graduates. ACT will correlate test results against the ASSET placement exam to determine anticipated academic gains. Students are tested in Math, Reading & Writing. There were 209 out of 213 graduates who sat for the Spring 99 exam. 2. NOCTI- (National Occupational Competency Testing Institute) standardized- criterion-reference written evaluation exams have been developed specific to Ozarks Technical Community College AAS degree programs and will be administered along with locally-developed performance testing. Piloted in January 1999. 3. Performance Assessment-Local Advisory Committees assisted in development of local performance (hands-on) testing. Testing methodology will be refined in 2000. Performance compliments the NOCTI written exam. 4. EIA (Electronic Industries Alliance A+ certification (Voluntary).	1.1 Implemented in FY98 and administered as an instrument to measure general education foundation skills of AA and AAS degree recipients. Activities and results: 1. Have no less than 95% of degree recipients sit for the exam. 2. Obtain mean scores no less than national in mathematics and writing. 3. Evaluated results to determine if curricular changes are needed. 2.1 National Occupation Competency Testing Institute requires: 1. If adopted, administer as an exit exam for graduating students in AAS program. 2. Determine most feasible method of administering the exam. 3. Establish base line data for future comparison

AAS/certificate	Heating, Refrigeration, & Air Conditioning	1. CAAP-Collegiate Assessment of Academic Proficiency produced by ACT; this nationally normed test is administered during a student's final semester prior to graduation with an associate's degree. The test is a mandatory exit requirement of all graduates. ACT will correlate test results against the ASSET placement exam to determine anticipated academic gains. Students are tested in Math, Reading & Writing. There were 209 out of 213 graduates who sat for the Spring 99 exam. 2. NOCTI- (National Occupational Competency Testing Institute) standardized- criterion-reference written evaluation exams have been developed specific to Ozarks Technical Community College AAS degree programs and will be administered along with locally-developed performance testing. Piloted in January 1999. 3. Performance Assessment-Local Advisory Committees assisted in development of local performance (hands-on) testing. Testing methodology will be refined in 2000. Performance compliments the NOCTI written exam.	1.1 Implemented in FY98 and administered as an instrument to measure general education foundation skills of AA and AAS degree recipients. Activities and results: 1. Have no less than 95% of degree recipients sit for the exam. 2. Obtain mean scores no less than national in mathematics and writing. 3. Evaluated results to determine if curricular changes are needed. 2.1 National Occupation Competency Testing Institute requires: 1. If adopted, administer as an exit exam for graduating students in AAS program. 2. Determine most feasible method of administering the exam. 3. Establish base line data for future comparison

AAS/certificate	Industrial Maintenance Technology	1. CAAP-Collegiate Assessment of Academic Proficiency produced by ACT; this nationally normed test is administered during a student's final semester prior to graduation with an associate's degree. The test is a mandatory exit requirement of all graduates. ACT will correlate test results against the ASSET placement exam to determine anticipated academic gains. Students are tested in Math, Reading & Writing. There were 209 out of 213 graduates who sat for the Spring 99 exam. 2. NOCTI- (National Occupational Competency Testing Institute) standardized- criterion-reference written evaluation exams have been developed specific to Ozarks Technical Community College AAS degree programs and will be administered along with locally-developed performance testing. Piloted in January 1999. 3. Performance Assessment-Local Advisory Committees assisted in development of local performance (hands-on) testing. Testing methodology will be refined in 2000. Performance compliments the NOCTI written exam.	1.1 Implemented in FY98 and administered as an instrument to measure general education foundation skills of AA and AAS degree recipients. Activities and results: 1. Have no less than 95% of degree recipients sit for the exam. 2. Obtain mean scores no less than national in mathematics and writing. 3. Evaluated results to determine if curricular changes are needed. 2.1 National Occupation Competency Testing Institute requires: 1. If adopted, administer as an exit exam for graduating students in AAS program. 2. Determine most feasible method of administering the exam. 3. Establish base line data for future comparison

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AAS/certificate	Manufacturing Technology	1. CAAP-Collegiate Assessment of Academic Proficiency produced by ACT; this nationally normed test is administered during a student's final semester prior to graduation with an associate's degree. The test is a mandatory exit requirement of all graduates. ACT will correlate test results against the ASSET placement exam to determine anticipated academic gains. Students are tested in Math, Reading & Writing. There were 209 out of 213 graduates who sat for the Spring 99 exam. 2. NOCTI- (National Occupational Competency Testing Institute) standardized- criterion-reference written evaluation exams have been developed specific to Ozarks Technical Community College AAS degree programs and will be administered along with locally-developed performance testing. Piloted in January 1999. 3. Performance Assessment-Local Advisory Committees assisted in development of local performance (hands-on) testing. Testing methodology will be refined in 2000. Performance compliments the NOCTI written exam.	1.1 Implemented in FY98 and administered as an instrument to measure general education foundation skills of AA and AAS degree recipients. Activities and results: 1. Have no less than 95% of degree recipients sit for the exam. 2. Obtain mean scores no less than national in mathematics and writing. 3. Evaluated results to determine if curricular changes are needed. 2.1 National Occupation Competency Testing Institute requires: 1. If adopted, administer as an exit exam for graduating students in AAS program. 2. Determine most feasible method of administering the exam. 3. Establish base line data for future comparison

AAS/certificate	Printing Technology	1. CAAP-Collegiate Assessment of Academic Proficiency produced by ACT; this nationally normed test is administered during a student's final semester prior to graduation with an associate's degree. The test is a mandatory exit requirement of all graduates. ACT will correlate test results against the ASSET placement exam to determine anticipated academic gains. Students are tested in Math, Reading & Writing. There were 209 out of 213 graduates who sat for the Spring 99 exam. 2. NOCTI- (National Occupational Competency Testing Institute) standardized- criterion-reference written evaluation exams have been developed specific to Ozarks Technical Community College AAS degree programs and will be administered along with locally-developed performance testing. Piloted in January 1999. 3. Performance Assessment-Local Advisory Committees assisted in development of local performance (hands-on) testing. Testing methodology will be refined in 2000. Performance compliments the NOCTI written exam.	1.1 Implemented in FY98 and administered as an instrument to measure general education foundation skills of AA and AAS degree recipients. Activities and results: 1. Have no less than 95% of degree recipients sit for the exam. 2. Obtain mean scores no less than national in mathematics and writing. 3. Evaluated results to determine if curricular changes are needed. 2.1 National Occupation Competency Testing Institute requires: 1. If adopted, administer as an exit exam for graduating students in AAS program. 2. Determine most feasible method of administering the exam. 3. Establish base line data for future comparison

AAS/certificate	Welding Technology	1. CAAP-Collegiate Assessment of Academic Proficiency produced by ACT; this nationally normed test is administered during a student's final semester prior to graduation with an associate's degree. The test is a mandatory exit requirement of all graduates. ACT will correlate test results against the ASSET placement exam to determine anticipated academic gains. Students are tested in Math, Reading & Writing. There were 209 out of 213 graduates who sat for the Spring 99 exam. 2. NOCTI- (National Occupational Competency Testing Institute) standardized- criterion-reference written evaluation exams have been developed specific to Ozarks Technical Community College AAS degree programs and will be administered along with locally-developed performance testing. Piloted in January 1999. 3. Performance Assessment-Local Advisory Committees assisted in development of local performance (hands-on) testing. Testing methodology will be refined in 2000. Performance compliments the NOCTI written exam. 4. American Welding Society entry-level and advanced level certification (Voluntary).	1.1 Implemented in FY98 and administered as an instrument to measure general education foundation skills of AA and AAS degree recipients. Activities and results: 1. Have no less than 95% of degree recipients sit for the exam. 2. Obtain mean scores no less than national in mathematics and writing. 3. Evaluated results to determine if curricular changes are needed. 2.1 National Occupation Competency Testing Institute requires: 1. If adopted, administer as an exit exam for graduating students in AAS program. 2. Determine most feasible method of administering the exam. 3. Establish base line data for future comparison.

AAS/Certificate	Manufacturing Technology	1. One instructor served on the National Technical Committee for National Volunteers in Career Awareness Skills USA. 2. One instructor attended Soft Machines™ by SILMA training academy for software application and programming and spent ten days at the corporate training center. 3. One full-time and two part-time instructors attended Unigraphics Solutions training course on Practical Application of Unigraphics. 4. One full-time instructor attended Design Applications course for Unigraphics solutions machining software. 5. One full-time computer services technician attended UNIX UG System Management course for Unigraphics Solutions.	
AAS/Certificate	Electronics Technology	Professional Development Plans Includes as a minimum: 1. Attend professional education conferences, MVA, MCCA, at least 3-5 years. 2. Attend one professional trade conference-training seminar, or one related college credit course annually. 3. Obtain/Maintain Industry-Based Technician Certification in areas of affiliation with the faculty member's assigned degree program. 4. Individualized plans are under development by department heads and will vary by individual.	

AAS/Certificate	Computer Information Technology	Professional Development Plans Includes as a minimum: 1. Attend professional education conferences, MVA, MCCA, at least 3-5 years. 2. Attend one professional trade conference-training seminar, or one related college credit course annually. 3. Obtain/Maintain Industry-Based Technician Certification in areas of affiliation with the faculty member's assigned degree program. 4. Individualized plans are under development by department heads and will vary by individual.	
AAS/Certificate	Computer Information Technology Continued.....	5. member's assigned degree program. Individualized plans are under development by department heads and will vary by individual.	
AAS/Certificate	Heating, Refrigeration & Air Conditioning	Professional Development Plans Includes as a minimum: 1. Attend professional education conferences, MVA, MCCA, at least 3-5 years. 2. Attend one professional trade conference-training seminar, or one related college credit course annually. 3. Obtain/Maintain Industry-Based Technician Certification in areas of affiliation with the faculty member's assigned degree program. 4. .Individualized plans are under development by department heads and will vary by individual.	Professional Development Plans are developed annually with each employee with input from department heads. Those w/o a baccalaureate degree are encouraged to continue academic studies in pursuit of the degree. Specific plans will vary by individual.

AAS/Certificate	Industrial Maintenance Technology	Professional Development Plans Includes as a minimum: 1. Attend professional education conferences, MVA, MCCA, at least 3-5 years. 2. Attend one professional trade conference-training seminar, or one related college credit course annually. 3. Obtain/Maintain Industry-Based Technician Certification in areas of affiliation with the faculty member's assigned degree program. 4. Individualized plans are under development by department heads and will vary by individual.	Professional Development Plans are developed annually with each employee with input from department heads. Those w/o a baccalaureate degree are encouraged to continue academic studies in pursuit of the degree. Specific plans will vary by individual.
AAS/Certificate	Printing Technology	Professional Development Plans Includes as a minimum: 1. Attend professional education conferences, MVA, MCCA, at least 3-5 years. 2. Attend one professional trade conference-training seminar, or one related college credit course annually. 3. Obtain/Maintain Industry-Based Technician Certification in areas of affiliation with the faculty member's assigned degree program. 4. Individualized plans are under development by department heads and will vary by individual.	Professional Development Plans are developed annually with each employee with input from department heads. Those w/o a baccalaureate degree are encouraged to continue academic studies in pursuit of the degree. Specific plans will vary by individual.
AAS/Certificate	Welding Technology	Professional Development Plans Includes as a minimum: 1. Attend professional education conferences, MVA, MCCA, at least 3-5 years. 2. Attend one professional trade conference-training seminar, or one related college credit course annually. 3. Obtain/Maintain Industry-Based Technician Certification in areas of affiliation with the faculty member's assigned degree program. 4. Individualized plans are under development by department heads and will vary by individual.	Professional Development Plans are developed annually with each employee with input from department heads. Those w/o a baccalaureate degree are encouraged to continue academic studies in pursuit of the degree. Specific plans will vary by individual.

St. Charles County Community College

Degree/ Certificate	Program Name	Applicable Specialized Industry-Based Assessment Instrument	Description of Activities Undertaken and Accomplished During FY 2000
AAS/Cert.	Computer Networking	MCSE	Set aside facility within new Technology Building to provide assessment for licensure
AAS/Cert.	Business Administrative Services	Microsoft Office User Specialist	Implemented Microsoft Office User Specialist program
Certificate	Nursing—Allied Health	CNA/CMT	

St. Louis Community College District

Degree/ Certificate	Program Name	Applicable Specialized Industry-Based Assessment Instrument	Description of Anticipated Activities To Be Undertaken During FY 2000
AAS	Automotive Technology	ASE Certification	Encouraged all graduates of programs to voluntarily take ASE Certification tests. 70% of graduates took the test.
AAS	Dietetic Technician	Registration Exam for Dietetic Technician	

State Fair Community College

Degree/ Certificate	Program Name	Applicable Specialized Industry-Based Assessment Instrument	Description of Activities Undertaken and Accomplished During FY 2000
AAS	All Programs	American Council Education Industry Based Training-CMSU	1. To be determined by CMSU's ACE program. 2. Students transferring to CMSU College of Applied Science would be subjected to this industry standard.
AAS	Marine Technology	NOCTI Standards ABYC (American Boat and Yacht Council) Standards	1. If an experienced marine technician and/or graduate of a marine program wants to test to earn college credit, the NOCT is administered. 2. ABYC is trying to set the standard for marine service excellence. They have currently developed three skill areas that our instructor has mastered.

AAS	Industrial Maintenance	OSHA Certified	1. Students enrolled in the Industrial Safety course will receive OSHA certification since the course was developed around it's standards.
AAS	CIS-Networking	MSCE, A+ and CISCO	1. All students receive training to pass the networking certification tests. Test is not required for graduation.
AAS	Automotive Technology	ASE	1. All students receive training to pass the ASE certification test. Test is not required for graduation.
AAS	Nursing	State Board of Nursing	1. All students test with the Mo State Board of Nursing. 100% passing rate.

Three Rivers Community College (No Activity)

SMSU—West Plains

Degree/ Certificate	Program Name	Applicable Specialized Industry-Based Assessment Instrument	Description of Activities Undertaken and Accomplished During FY 2000
AAS	Industrial Technology	NOCTI	Requires minimum competency score of 85.
AAS	Computer Technology	None at this time.	Exploring assessment sources.
AAS	General Technology	None at this time.	Exploring assessment sources.

Missouri Western State College

Degree/ Certificate	Program Name	Applicable Specialized Industry-Based Assessment Instrument	Description of Activities Undertaken and Accomplished During FY 2000
AAS	Manufacturing Engineering Technology	Certified Manufacturing Engineer	2 students took the test, but did not pass

PROGRAM QUALITY IMPROVEMENT

Table 32
FACULTY PROFESSIONAL SKILLS DEVELOPMENT ACTIVITIES
of Faculty Teaching in Targeted Technical Programs
(Effective June 30, 2000)

Crowder College

Degree/ Certificate	Program Name	TECHNICAL SKILLS DEVELOPMENT	ACADEMIC CREDENTIALS
AAS	Industrial Technology	• Developed groundwork to implement industry internships for full/part-time technical faculty • Adjunct faculty in-service opportunities • Professional development workshops, conferences	• Anticipated implementation – Summer 2001 • SMS has offered via ITV to bring in undergraduate and graduate courses in Industrial Technology • Development of articulation agreements with 4-year institutions • Delivery of AAS in Technical Education for AVTS faculty (non-credentialed)

East Central College

Degree/ Certificate	Program Name	TECHNICAL SKILLS DEVELOPMENT	ACADEMIC CREDENTIALS
AAS/ Certificate	CIS-Network Technician	Part-time faculty participated in Networking Fundamentals training	
AAS/ Certificate	Drafting/Design	Two full-time instructors maintained DESE Certification. One instructor returned to industry.	Two instructors up graded skills in technical physics, materials Science & Web-based instruction
AAS/ Certificate	Electronics	Full-time Instructor received certification as Master Certified Electronics Technician (ETA)	One instructor continued work on bachelor degree
AAS/ Certificate	Graphic Design	One full-time faculty attended new instructor institute, returned to Industry during summer, maintained DESE Certification	
AAS/ Certificate	HVAC	Full-time instructor completed LP Certification, Maintained DESE Certification, returned to industry, completed industry internship	Continued work on bachelor degree
AAS/ Certificate	Industrial Engineering	Full-time faculty maintained DESE Certification	

Jefferson College

Degree/ Certificate	Program Name	TECHNICAL SKILLS DEVELOPMENT	ACADEMIC CREDENTIALS
AAS	Technology	Rochester Institute of Technology VICSI Summer Conference Governor's Conf. On Workforce Development Summer Internship at Metropolitan Engineering Machine Tool/CNC Training Summer Internship at Tech Services Ohio Underwater Welding Workshop Electrical Discharge Machining Workshop Wire EDM MO Assoc. for Career & Technical Educ. Conf. American Vocational Information Assoc. Conf. National Manufacturing Week 200 Show Summer Internship RSH Engineering Summer Internship MO Dept. of Transportation	

Metropolitan Community Colleges

Degree/ Certificate	Program Name	TECHNICAL SKILLS DEVELOPMENT	ACADEMIC CREDENTIALS
AAS	Drafting & Design Engineering Technology	1. Provide funding for Dan Ogden, drafting instructor at Cass Career Center, to attend Mastering Today's AutoCAD training. 2. Provided funding for Dan Ogden, Cass Career Center drafting instructor, to attend the Depco Mechanical Part Modeling training. 3. Provided funds for William Allyn, drafting instructor at Longview, to join American Design Drafting Association. 4. Funded William Allyn to attend NAIT Annual Conference in Orlando Florida.	
AAS	Industrial Technologies Welding	1. Provided funds for Stewart Hendrickson, welding instructor at Cass Career Center, to attend American Welding Society conference in Denver, Colorado. 2. Funded Cass Career Center welding instructors' annual dues to AWS.	1. Funded Tim Gill, welding instructor at Lex La-Ray Technical Center, to become a Certified Welding Educator and Certified Welding Inspector.
			2. Teresa Smith, RTEC Marketing Director, took twelve hours towards her Masters in Higher Ed Administration degree at UMKC. 3. Jim Everett, Director of Technical Education, completed his Doctorate in Higher & Adult Education at UMKC. 4. Lori Cochran, Industrial Technology faculty at the BTC, took nine hours of graduate courses at UMKC. Lori is working on her Ed Specialist in Industrial Management. 5. Debbie Goodall, Tech Prep Director at the BTC, is working on her Masters in Industrial & Technical Education at CSMU.

		27. RTEC and Tech Prep have combined resources to offer paid two-week summer externships for high school faculty and MCC faculty. Faculty will spend two weeks working on projects at an area business and then prepare a curriculum project based on that experience. Faculty funded by RTEC and their school include: Tim Busenhart, Park Hill South; Prentess Clifton, CTC/Fort Osage; Cathy Harrison, Raytown South; Rexanne Hill, Raytown South; Debra Holman, Harrisonville HS; Jann Howard, Raytown; Tracy Mangels, Park Hill South; Robert Moles, Harrisonville HS; Nate Moore, William Chrisman; Juanita Risker, Park Hill South; Marla Ritchie, BS Freshman CTR; Renee Sandler, Lee's Summit North; Cathy Shevlin, Liberty Academy; Marilyn Shireman, Raytown South; Wendy Sohm, Liberty Academy; Glenda Willis, DeLaSalle; Paramjit Duggal, Maple Woods Community College; Larry Reichard, Maple Woods Community College; Melinda Cyr, Oak Park; and Christopher Johnson, Oak Park	
AAS	Environmental Health & Safety	1. Funded Sybil Chandlers, EHSS instructor, membership with the American Society of Safety Engineers. 2. Provided funds for Sybil Chandler to attend the US Department of Transportation & Trainings Hazardous Materials and Transportation Safety Training in Oklahoma City. 3. Funded Sybil Chandler to attend the Hazmat 2000 Spills Prevention Conference in St. Louis.	1. Sybil Chandler attended the New Teacher Institute.
AAS	Air Conditioning & Heating	1. Provided Funds for Paul Harding, HVAC instructor at the BTC, to be a member in the Air Conditioning Contractors of America.	
Certificate	Telecommunication Technician Program	1. Funded Tom Watson's, Blue River faculty, membership in BICSI (Building Industry Consulting Services International). 2. Funded Kathee Douglas from Herndon Career Center to attend CISCO Academy Training in Columbia, MO.	

AAS	Machine Tool Technology	1. Penny Tepesch, Machine Tool faculty at the BTC, attended the NIMS Conference in Jefferson City, MO. 2. Jim Shimel, MATE faculty at the BTC, attended the Missouri Trade & Technical Association MVA Planning Meeting at Osage Beach, MO. 3. Funded Reece Gibson, CNN, MATE instructor at the BTC, to attend the NAIT Annual Conference in Orlando, Florida. 4. Provided substitute teacher for Glenn Rosario, Dan Burns, and Phillip Gates of NKC School District to attend NTMA luncheon and meeting at the BTC.	1. Jim Shimel, Machine Tool instructor at the BTC, took a three-hour course at CSMU on Material Science Technology.
AAS	Electronics Engineering Technology (Tech)	1. Funded Ron Richardson, Electronics Lab Tech at the BTC, to attend NAIT Conference in Orlando, Florida.	

Mineral Area College

Degree/ Certificate	Program Name	TECHNICAL SKILLS DEVELOPMENT	ACADEMIC CREDENTIALS
A.A.S.	Industrial Maintenance, Computer Networking, Operations Management, Various Technical Areas, OSHE, and Machine Tool	Faculty members were given the opportunity to attend multi-media training, web-based course design and delivery workshops.	
A.A.S.	Industrial Maintenance, Computer Networking, Operations Management, Various Technical Areas, OSHE, and Machine Tool		Faculty were encouraged to enroll in Instructional Strategies in the Distance Learning Environment, offered through UMSL, for graduate credit.
A.A.S.	Computer Networking		2 faculty members continued the process to become Microsoft Certified, and the program also incorporates CISCO certification programs.
A.A.S., A.S., and A.A.	Various Technical and Academic Programs	Faculty were given the opportunity to attend academic/technical/vocational integration training.	

A.A.S., A.S., and A.A.	Various Technical and Academic Programs		Workplace experiences for educators for Mineral Area College faculty and instructors at each AVTS were provided.
A.A.S., A.S., and A.A.	Various Technical and Academic Programs		Professional association attendance was sponsored for those who were required to attend in order to retain vocational teaching certifications
A.A.S., A.S., and A.A.	Various Technical and Academic Progarms	WorkKeys	WorkKeys profilers were continued to be funded and provided the opportunity to attend professional development workshops.
AVTS Certificates	Various RTEC Targeted CIP Codes		Attendance at seminars for UniTec faculty to retain ASE certifications were funded.
A.A.S., A.S., A.A., AVTS Certificates	Various Technology Programs and Academic Areas	Professional association attendance and membership for Missouri Association for Career and Technical Education. Professional association attendance and membership for the American Vocational Association. Professional association membership and conference attendance for the National Council of Occupational Education.	
A.A.S. and A.S.	Electronics	National Electric Code certification and training provided for Industrial Maintenance instructors.	

Moberly Area Community College

Degree/ Certificate	Program Name	TECHNICAL SKILLS DEVELOPMENT	ACADEMIC CREDENTIALS
AAS/Cert.	Drafting and Design Tech.	1. AutoCAD Release 2000 instructor training.	Instructor obtained 6 semester hours of general education course credit towards bachelor's degree.
AAS/Cert.	Industrial Elec./Elec. Tech.	1. Rixan Robotics software and hardware training. 2. Hampton Process Control and Instrumentation training. 3. DPC Vision System factory training.	

North Central Missouri College

Degree/ Certificate	Program Name	TECHNICAL SKILLS DEVELOPMENT	ACADEMIC CREDENTIALS
Cert./AAS	Microcomputer Specialist	Brookfield instructor Apple Certification.	
Cert./AAS	Industrial Maintenance	Chillicothe instructor Fiber Cable Certification.	
Cert./AAS	Microcomputer Specialist	Chillicothe instructor Fiber Cable Certification.	

Ozarks Technical Community College

Degree/ Certificate	Program Name	TECHNICAL SKILLS DEVELOPMENT	ACADEMIC CREDENTIALS
AAS/Certificate	Manufacturing Technology	1. One instructor served on the National Technical Committee for National Volunteers in Career Awareness Skills USA. 2. One instructor attended Soft Machines™ by SILMA training academy for software application and programming and spent ten days at the corporate training center. 3. One full-time and two part-time instructors attended Unigraphics Solutions training course on Practical Application of Unigraphics. 4. One full-time instructor attended Design Applications course for Unigraphics solutions machining software. 5. One full-time computer services technician attended UNIX UG System Management course for Unigraphics Solutions.	

AAS/Certificate	Electronics Technology	Professional Development Plans Includes as a minimum: 5. Attend professional education conferences, MVA, MCCA, at least 3-5 years. 6. Attend one professional trade conference-training seminar, or one related college credit course annually. 7. Obtain/Maintain Industry-Based Technician Certification in areas of affiliation with the faculty member's assigned degree program. 8. Individualized plans are under development by department heads and will vary by individual.	
AAS/Certificate	Computer Information Technology	Professional Development Plans Includes as a minimum: 6. Attend professional education conferences, MVA, MCCA, at least 3-5 years. 7. Attend one professional trade conference-training seminar, or one related college credit course annually. 8. Obtain/Maintain Industry-Based Technician Certification in areas of affiliation with the faculty member's assigned degree program. 9. Individualized plans are under development by department heads and will vary by individual.	
AAS/Certificate	Computer Information Technology Continued…….	10. member's assigned degree program. Individualized plans are under development by department heads and will vary by individual.	
AAS/Certificate	Heating, Refrigeration & Air Conditioning	Professional Development Plans Includes as a minimum: 5. Attend professional education conferences, MVA, MCCA, at least 3-5 years. 6. Attend one professional trade conference-training seminar, or one related college credit course annually. 7. Obtain/Maintain Industry-Based Technician Certification in areas of affiliation with the faculty member's assigned degree program. 8. .Individualized plans are under development by department heads and will vary by individual.	Professional Development Plans are developed annually with each employee with input from department heads. Those w/o a baccalaureate degree are encouraged to continue academic studies in pursuit of the degree. Specific plans will vary by individual.

AAS/Certificate	Industrial Maintenance Technology	Professional Development Plans Includes as a minimum: 2. Attend professional education conferences, MVA, MCCA, at least 3-5 years. 5. Attend one professional trade conference-training seminar, or one related college credit course annually. 6. Obtain/Maintain Industry-Based Technician Certification in areas of affiliation with the faculty member's assigned degree program. 7. Individualized plans are under development by department heads and will vary by individual.	Professional Development Plans are developed annually with each employee with input from department heads. Those w/o a baccalaureate degree are encouraged to continue academic studies in pursuit of the degree. Specific plans will vary by individual.
AAS/Certificate	Printing Technology	Professional Development Plans Includes as a minimum: 5. Attend professional education conferences, MVA, MCCA, at least 3-5 years. 6. Attend one professional trade conference-training seminar, or one related college credit course annually. 7. Obtain/Maintain Industry-Based Technician Certification in areas of affiliation with the faculty member's assigned degree program. 8. Individualized plans are under development by department heads and will vary by individual.	Professional Development Plans are developed annually with each employee with input from department heads. Those w/o a baccalaureate degree are encouraged to continue academic studies in pursuit of the degree. Specific plans will vary by individual.
AAS/Certificate	Welding Technology	Professional Development Plans Includes as a minimum: 5. Attend professional education conferences, MVA, MCCA, at least 3-5 years. 6. Attend one professional trade conference-training seminar, or one related college credit course annually. 7. Obtain/Maintain Industry-Based Technician Certification in areas of affiliation with the faculty member's assigned degree program. 8. Individualized plans are under development by department heads and will vary by individual.	Professional Development Plans are developed annually with each employee with input from department heads. Those w/o a baccalaureate degree are encouraged to continue academic studies in pursuit of the degree. Specific plans will vary by individual.

St. Charles County Community College

Degree/ Certificate	Program Name	TECHNICAL SKILLS DEVELOPMENT	ACADEMIC CREDENTIALS
AAS & Certificate	Occupational Therapy Assist.	Obtained vocational certification.	Began teaching first OTA class
AAS & Certificate	CAD/CAM	Completed credit course in CAD applications	Additional credits above Master's degree
AAS & Certificate	All Programs	Colleague Version 16	Enabled all RTEC sites to continue autonomous delivery of academic assessment, registration, and advising.
AAS & Certificate	Computer Networking	Faculty member began exploring opportunities to implement CISCO Academy on campus	Preliminary plans are underway to certify faculty member and acquire resources to start CISCO Academy during Spring 2001
AAS & Certificate	All Programs	Faculty and staff training in web page development, ITV instruction, WebCT use—conducted through Gateway College Consortium	New faculty and staff became involved in distance education initiatives (ex. Math instructor developing new web-based course; faculty and staff developing personal web pages, etc.)

St. Louis Community College District

Degree/ Certificate	Program Name	TECHNICAL SKILLS DEVELOPMENT	ACADEMIC CREDENTIALS
AAS	Graphics Communications, Commercial Photography	Three faculty members will participate in academic sabbatical study involving computer technology in their high tech. Fields	Rene D. Michel-Trapaga attended digital workshops on Adobe Photshop and Fractal Design Painter John Nagel attended the Seybold Conference in San Francisco in August dedicated to the introduction of new products in digital imaging.

State Fair Community College

Degree/ Certificate	Program Name	TECHNICAL SKILLS DEVELOPMENT	ACADEMIC CREDENTIALS
AAS	Industrial Maintenance Technology	1. One FT instructor attended National Assn. for Career and Technical Education 2. One Administration attended National Assn. For Industrial Technology 3. Three instructors attended seminar for web course development.	Conferences Conferences Seminar
AAS	Computer Aided Drafting Technology	1. One PT and one FT instructor to two different Auto CAD training sessions. 2. One instructor to New Teacher Institute	Vendor Training CMSU
AAS	Marine Technology	1. One FT instructor attended three seminars for NOCTI and ABYC (American Boat and Yacht Club) Certification 2. One FT instructor attended certification training for OEM (Original Equipment Manufacturers) certification • Mercury-Mercruiser • Outboard Marine Corporation • Evinrude-Master Technician	Seminar & Certification Tests Electrical Marine Technician Gasoline Engine Marine Technician Diesel Engine Marine Technician Vendor Training

AAS	Computer Information Systems-Networking	1. One FT instructor attended two CISCO certification training sessions. 2. One FT instructor attended Networkers Conference.	Vendor Training Conference
AAS	Machine Tool	1. One FT instructor attended training for new equipment: Wire EDM	Vendor Training
AAS	Computer Information Systems-Programming	1. One FT instructor attended training for course development in	

Three Rivers Community College

Degree/ Certificate	Program Name	TECHNICAL SKILLS DEVELOPMENT	ACADEMIC CREDENTIALS
AAS	Industrial Technology	1. Three full time technicians attended RAD Vision Training to operate ITV equipment. 2. One full time faculty attended Telecom East 2000 Conference to better understand how to use ITV to deliver technical information. 3. One full time faculty attended Eagle Point software training for teaching CAM/CAD. 4. Three full time faculty attended Web-Based Training in Stillwater, OK. 5. Two full time faculty attended the Mid South Instructional conference in Middle, TN. To learn new skills in delivery of ITV courses.	

SMSU—West Plains

Degree/ Certificate	Program Name	TECHNICAL SKILLS DEVELOPMENT	ACADEMIC CREDENTIALS
AAS	Industrial Technology & General Technology	Full-time faculty attended the following workshops: • Lean Manufacturing Seminar SME Accreditation and Grant Writing Seminar	Full-time faculty completed Masters Degree from SMSU.
AAS	Computer Technology	Full-time faculty attended the following workshop: Microsoft Windows NT Course	Full-time faculty completed 18 credit hours toward Masters Degree in Computer Information Systems from SMSU.

Missouri Western State College

Degree/ Certificate	Program Name	TECHNICAL SKILLS DEVELOPMENT	ACADEMIC CREDENTIALS
AAS	Manufacturing Engineering Technology	1. MET faculty attended SME meetings 2. Faculty attended ABET Regional meeting 3. Faculty attended 4-State Conference	1. Hillyard Technical Center faculty took MET classes toward AAS in MET
AS	Electronics Engineering Technology	1. Faculty attended ABET Regional meeting 2. Faculty attended Consumer Electronics Conference	

STATE PLAN FOR POSTSECONDARY TECHNICAL EDUCATION
Revised FY 2001 Distributions
Legislation Truly Agreed To and Finally Passed—June 28, 2000

RTEC Sponsor	FY 1997 CBHE Distribution	FY 1998 CBHE Distribution (*)	FY 1999 CBHE Distribution (**)	FY 2000 CBHE Distribution	*Planned FY 2001 CBHE Increase*	*Planned FY 2001 CBHE Distribution*	Revised FY 2001 CBHE Increase	Revised FY 2001 CBHE Distribution
Crowder College	$300,000	$750,000	$1,275,000	$1,375,000	$50,000	*$1,425,000*	**$35,000**	**$1,410,000**
East Central College	360,000	600,000	1,100,000	1,400,000	125,000	*1,525,000*	**95,000**	**1,495,000**
Jefferson College	151,000	250,000	420,000	600,000	175,000	*775,000*	**160,000**	**760,000**
Metropolitan CCs	783,900	1,750,000	2,500,000	3,500,000	2,500,000	*6,000,000*	**2,460,000**	**5,960,000**
Mineral Area College	186,000	400,000	810,000	1,000,000	200,000	*1,200,000*	**135,000**	**1,135,000**
Moberly Area CC	335,000	660,000	1,100,000	1,250,000	125,000	*1,375,000*	**75,000**	**1,325,000**
North Central MO C	209,000	480,000	600,000	875,000	125,000	*1,000,000*	**115,000**	**990,000**
Ozarks Tech. CC	564,985	1,180,000	1,725,000	2,525,000	250,000	*2,775,000*	**210,000**	**2,735,000**
St. Charles Co. CC	310,000	500,000	800,000	1,000,000	150,000	*1,150,000*	**120,000**	**1,120,000**
St. Louis CC District	675,000	1,850,000	2,300,000	3,000,000	1,800,000	*4,800,000*	**1,760,000**	**4,760,000**
State Fair CC	290,000	650,000	1,290,000	2,095,000	105,000	*2,200,000*	**45,000**	**2,140,000**
Three Rivers CC	340,000	500,000	600,000	900,000	170,000	*1,070,000*	**145,000**	**1,045,000**
CC RTEC Totals	**$4,505,885**	**$9,570,000**	**$14,520,000**	**$19,520,000**	$5,775,000	***$25,295,000***	**$5,355,000**	**$24,875,000**
Research/Evaluation	75,000	75,000	125,000	125,000	-0-	*125,000*	**-0-**	**125,000**
Total RTEC Distributions	**$4,580,885**	**$9,645,000**	**$14,645,000**	**$19,645,000**	$5,775,000	***$25,420,000***	**$5,355,000**	**$25,000,000**
Mission Enhancement Funds Allocated to Technical Education								
Mo. Western State Coll.	*118,400*	*180,000*	335,000	515,000				
SMSU-West Plains	*72,000*	*100,000*	587,500	1,100,000				
Total Tech. Ed. Mis. Enh.	*$190,400*	*$280,000*	$822,500	$1,615,000				

(*) $75,000 for coordination was transferred into CBHE Coordination core budget in FY 1998.

(**) *Missouri Western State College*: $180,000 was transferred from RTEC distributions into Missouri Western State College core budget in FY 1999. Through Mission Enhancement funding, $155,000 and $180,000 were added respectively in FY 1999 and FY 2000 to cumulate a total of $515,000 for technical education.

SMSU—West Plains: $100,000 was transferred from RTEC distributions into SMSU—West Plains core budget in FY 1999. Through Mission Enhancement funding to SMSU, $487,500 and $512,500 were added respectively in FY 1999, and FY 2000, to cumulate a total of $1,100,000 for technical education.

FY 2001 CBHE distributions will be permanently added to the Technical Education (RTEC) core budgets of each community college in FY 2002.

The FY 2001 CBHE total funding recommendation does not include the normal 3% Governor's reserve.

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Appendix 3

MISSOURI PUBLIC TWO-YEAR COLLEGES
Mission Enhancement Accountability Measures
State Plan for Postsecondary Technical Education
Approved by the Coordinating Board, April 1999

Missouri Goal	Two-year College Goal	Conceptual Outcome	Desired Results	Operational Outcome Measure
I. Geographic Access	Meet the identified regional needs for targeted postsecondary technical education throughout the service regions.	Expanded community accesses for citizens of Missouri desiring education and training in targeted high-skill and high-wage occupations.	Identified outreach centers offering one or more targeted certificate and AAS degree programs in technical education will be available within 45 minutes of any citizen.	Annually identify the communities serving as access points for technical programs located out-of the community college taxing districts.
II. Programmatic Access	Strengthen existing, and develop new targeted postsecondary technical education programs.	Added targeted postsecondary technical education programs within the service region, and in the state's interest.	Increased number of targeted technical programs added both on campus and off-campus (out of taxing district).	Annually identify targeted technical certificate and AAS degree programs offered both on and off-campus.
III. Efficiency that maximizes the sharing of resources	Strengthen consortia relationships in the delivery of targeted postsecondary technical education throughout the service region.	1. Fuller utilization of existing AVTS capacity to deliver targeted postsecondary technical education programs.	Improved articulation agreements between AVTS secondary and adult programs and targeted postsecondary technical education programs.	Annually identify secondary programs articulated with targeted postsecondary technical programs.
		Improved collaboration with private career (proprietary) schools to deliver targeted postsecondary technical education.	Increased number of targeted postsecondary technical programs and/or courses contracted with private career (proprietary) schools.	Annually identify targeted programs and courses contracted with private career (proprietary) schools.
		2. Improved collaboration with labor union apprenticeship training programs to deliver targeted postsecondary technical education.	Establish articulation agreements between Department of Labor-eligible apprenticeship training programs and targeted postsecondary technical education programs.	Annually identify, apprenticeship-training programs articulated with targeted certificate/AAS degree technical programs.

Missouri Goal	Two-year College Goal	Conceptual Outcome	Desired Results	Operational Outcome Measure
		3. Improved collaboration with articulated public baccalaureate technology programs to provide career access.	Improved articulation agreements between public baccalaureate technology programs and transferred certificate and AAS degree programs.	Annually identify certificate/AAS degree technical programs that are articulated with public baccalaureate technology programs.
		Fuller utilization of electronic instructional delivery (ITV and Internet) to deliver targeted postsecondary technical education to remote locations.	Increased number of sites accessible through electronic delivery of postsecondary technical education instruction.	Annually identify the sending and receiving sites where targeted technical education is accessible through electronic delivery.

Missouri Goal	Two-year College Goal	Conceptual Outcome	Desired Results	Operational Outcome Measure
			a. Increased enrollment in postsecondary technical and related general education courses offered through electronic delivery.	i. Annually quantify the number of technical and related general education courses offered through electronic delivery.
				Annually quantify the number of students enrolled in technical and related general education courses delivered electronically.
IV. Quality Teaching and Learning	Maintain high quality standards among targeted postsecondary technical education programs at the certificate and AAS degree levels.	1. NAIT, ABET, or other applicable specialized accreditation of new, and existing targeted postsecondary technical education programs funded by technical education general revenue distributions.	Success in accrediting targeted postsecondary technical education programs on or before FY 2002.	Annually determine progress toward meeting or maintaining requirements for accreditation of new and existing technical education programs that are funded by technical education general revenue distributions.
		Technical education graduates are passing licensure, registration, certification, or applicable industry based skill set examinations in targeted technical education programs.	Demonstrated improvements in assessment results.	Annually measure scores on industry-based skill set assessments.
		2. Program faculty in targeted technical education programs maintains current	Increased technical education faculty involvement in factory schools, return to industry	i. Annually identify categories of activities which

Missouri Goal	Two-year College Goal	Conceptual Outcome	Desired Results	Operational Outcome Measure
		and effective technical and pedagogical skills.	training, technical certification achievement, and teaching seminars and courses.	technical faculty are engaged to improve technical skills. ii. Annually identify categories which technical faculty are engaged to earn academic credentials toward associate, bachelor's, or master's degrees.
		Local and regional employers are satisfied with the supply of and employment preparation of new hires trained by targeted postsecondary technical programs.	Demonstrated high levels of employer satisfaction with the supply of and employment preparation of graduates and non-completers.	Annually sample a number of local and regional employers. Measure employers' levels of satisfaction.
V. Student Access to Success	Citizens residing within service regions will take advantage of opportunities to earn career success.	1. Increased student involvement in targeted postsecondary technical programs.	a. Increased numbers of recent high school graduates entering targeted postsecondary technical programs.	The CBHE staff, using existing state-wide data will quantify the number of recent high school graduates entering targeted postsecondary technical programs, including: • College Preparatory • A+ Graduates • Tech Prep Graduates College-going rate among respective community college service regions
			b. Increased enrollments in both on- and off-campus sites in targeted	The CBHE staff, using existing statewide data will quantify the number

Missouri Goal	Two-year College Goal	Conceptual Outcome	Desired Results	Operational Outcome Measure
			postsecondary technical programs.	of course completers enrolled in targeted on- and off-campus technical programs.
			c. Increased certificate and AAS degree graduates from targeted postsecondary technical programs.	The CBHE staff, using existing statewide data will categorize and quantify the number of graduates from targeted postsecondary technical programs.
			d. Increased number of targeted certificate and AAS degree graduates transferring to baccalaureate technology programs at public institutions.	The CBHE staff, using existing statewide data will quantify the numbers of: • Technical certificate and AAS degree graduates transferring to public baccalaureate technology programs; and • Public baccalaureate technology graduates that are a direct result of community college targeted certificate and AAS degree transfers.

LINN STATE TECHNICAL COLLEGE
Mission Enhancement Accountability Measures
SB 101, 1995 and the State Plan for Postsecondary Technical Education
Approved by the Coordinating Board, April 1999

Missouri Goal	Institutional Goal	Conceptual Outcome	Desired Results	Operational Outcome Measure
I. Geographic Access	Cooperate in the delivery of two-year advanced technical education within the parameters of state statute.	Expanded access for citizens of Missouri desiring highly specialized two-year education and training in advanced technologies.	Increased access to LSTC's specialized programs.	Annually identify the number of school districts, counties, and other locations from which student's matriculate
II. Programmatic Access	Strengthen existing, and develop new two-year postsecondary advanced technical programs.	1. Added targeted postsecondary technical education programs reflecting the state's interests and LSTC's five-year master plan.	Increased number of new advanced technical graduates.	i. Annually identify the number of advanced technical certificate and AAS degree graduates.
		2. Discontinue targeted programs according to the LSTC five-year master plan.	Reallocation of limited resources to other priority activities that focuses on the centrality of mission and enhances institutional image.	i. Identify a current listing of programs.
		3. Increased program completers in targeted advanced technical programs	Increased completion rates.	The number of targeted technical program completers.

Missouri Goal	Institutional Goal	Conceptual Outcome	Desired Results	Operational Outcome Measure
III. Efficiency that maximizes the sharing of resources	Develop and strengthen partnerships in the delivery of targeted two-year advanced postsecondary technical programs.	1. In collaboration with appropriate partners, meet the identified state needs for technical programs and related services.	a.Improved collaboration among partners in the delivery of targeted advanced technical programs and related general education courses.	Develop a set of performance indicators to evaluate the effectiveness of joint educational delivery systems.
		2. Through partnerships with colleges or through requests from employers, assist in the delivery of highly specialized courses and/or programs.	a.Increased number of college or employer partnerships to deliver highly specialized courses and/or programs not commonly offered by partnering institutions.	Identify the number of programs to which LSTC delivers courses and/or programs in partnership with community colleges.
		3. Appropriate enrollment of AVTS graduates in postsecondary technical education programs.	a. Improved articulation agreements between AVTS secondary and adult programs and postsecondary technical education programs. b. Increased number of secondary graduates with appropriate competencies transferring to articulated postsecondary technical education programs.	Annually identify the secondary technical programs articulated with postsecondary technical programs. Identify secondary graduates from Tech Prep, School-to-Work, and A+ entering postsecondary technical education with appropriate competencies.
		4. Exploration of labor union apprenticeship training programs to deliver postsecondary technical education for the purpose of upgrading advancement opportunities of skilled workers in Missouri.	Exploration of establishing articulation agreements with Department of Labor eligible apprenticeship training programs for postsecondary technical education programs.	Pending results of the exploration, identify the number of apprenticeship training programs articulated with certificate/AAS degree technical programs.
		5. Fuller utilization of articulated public baccalaureate technology	a. Improved articulation agreements among public baccalaureate technology	Identify the number of

Missouri Goal	Institutional Goal	Conceptual Outcome	Desired Results	Operational Outcome Measure
		programs to provide career access for LSTC students currently possessing an AAS degree or certificate.	programs and transferred certificate and AAS degree programs. b. Increased numbers of certificate/AAS degree graduates transferring to articulated baccalaureate technology programs.	certificate/AAS degree technical programs that are articulated with public baccalaureate technology programs. i. Identify number of certificate/AAS degree graduates transferring to articulated baccalaureate technology programs. ii. Identify the number of graduates from public baccalaureate tech programs that transferred from certificate/AAS programs.
		6. Improved responsiveness and efficiency in the electronic delivery (ITV and Internet) of advanced postsecondary technical education instruction.	a. Increased number of sites accessible through electronic delivery of advanced postsecondary technical education instruction. b. Increased enrollment in advanced postsecondary technical and related general education courses delivered electronically.	Identify the number of sending and receiving sites where, targeted technical education is accessible through electronic delivery. i. Identify the number of technical and related general education courses sent through electronic delivery.
		7. Address the need for advanced technical programs through fuller utilization of corporate relationships.	Increased corporate collaborations including those elements such as donations, technical support regarding equipment, scholarships, internships, and curriculum development targeted to advanced technical programs.	ii. Identify the number of students enrolled in technical and related general education courses delivered electronically. Annually measure

Missouri Goal	Institutional Goal	Conceptual Outcome	Desired Results	Operational Outcome Measure
				corporate donations and other forms of collaboration.
IV. Quality Teaching and Learning	A. Achieve and maintain North Central Association of Colleges and Schools Commission on Institutions of Higher Education Accreditation.	Recognition from the Missouri public higher education system as an fully accredited institution.	Success in meeting or exceeding all the expected standards to qualify for accreditation by NCA.	Evaluate progress toward meeting or maintaining requirements for institutional accreditation.
	B. Maintain high quality standards among all postsecondary advanced technical programs at the certificate and AAS degree levels.	1. Applicable specialized accreditation of new, and existing postsecondary advanced technical programs such as NAIT, ABET or other appropriate accrediting/licensure agencies.	Success in accrediting targeted postsecondary technical programs.	Evaluate progress toward meeting or maintaining requirements for accreditation of new and existing advanced technical programs.
		2. Technical program graduates are passing licensure, registration, certification, or applicable industry related major field assessment as available and appropriate.	Demonstrated improvements in assessment results.	Annually measure achievement on appropriate major field assessment tests.
		3. Program faculty in technical programs maintains current and effective technical and pedagogical skills.	Increased technical faculty involvement in factory schools, return to industry training, technical certification achievement, and teaching seminars and courses.	i. Identify the number of technical faculty involved in technical skill improvement. ii. Identify the number of technical faculty involved in earning academic

Missouri Goal	Institutional Goal	Conceptual Outcome	Desired Results	Operational Outcome Measure
				credentials toward a bachelor or a higher degree.
		4. Regional and statewide employers are satisfied with employment preparation of new hires trained in postsecondary technical programs.	Demonstrated high levels of employer satisfaction with employment preparation of graduates.	Measure levels of employer satisfaction based on a sample of regional and statewide employers.
		5. Graduates of postsecondary technical programs improve their employment and economic potential.	Demonstrated high rates of job placement among program graduates into jobs related to technical skill preparation.	*The CBHE Staff*, from a state-wide analysis of existing data, determine the number of completers who: • Acquired a job; • Acquired a job in a industry related to training; • If employed before training, improved earnings after training; • Moved from below to above the poverty level after training; • Enrolled in related advanced education beyond first degree or certificate; • Completed 14 years of education and training.

COORDINATING BOARD FOR HIGHER EDUCATION
State Plan for Postsecondary Technical Education

ELIGIBLE INSTRUCTIONAL PROGRAM CODES AND TITLE LISTINGS

The following instructional program codes and title listings are eligible for programmatic consideration in RTEC planning, new and enhanced technical Certificate and Associate of Applied Science Degree proposals, funding distributions, and serve as the "bench-mark" for accountability and productivity measures. *(Sources: Technical Education Now, Coordinating Board for Higher Education, in Missouri State Plan for Postsecondary Technical Education, 1997, pp. 61-64; and Classification of Instructional Programs (CIP), U.S. Department of Education, National Center for Education Statistics (NCES).)*

01. AGRICULTURAL BUSINESS AND PRODUCTION

01.02 Agricultural Mechanization

- 01.0201 Agricultural Mechanization, General
- 01.0299 Agricultural Mechanization, Other

15. ENGINEERING-RELATED TECHNOLOGIES

15.03 Electrical and electronic Engineering-Related Technology

- 15.0301 Computer Engineering Technology/Technician
- 15.0303 Electrical, Electronic and Communications Engineering Technology/ Technician
- 15.0304 Laser and Optical Technology/Technician
- 15.0399 Electrical and Electronic Engineering-Related Technologies/ Technicians, Other

15.04 Electromechanical Instrumentation and Maintenance Technology

- 15.0401 Biomedical Engineering-Related Technology/Technician
- 15.0402 Computer Maintenance Technology/Technician
- 15.0403 Electromechanical Technology/Technician
- 15.0404 Instrumentation Technology/Technician
- 15.0405 Robotics Technology/Technician
- 15.0499 Electromechanical Instrumentation and Maintenance Technologies/ Technicians, Other

15.05 Environmental Control Technologies

- 15.0501 Heating, Air Conditioning and Refrigeration Technology/Technician
- 15.0503 Energy Management and Systems Technology/Technician
- 15.0505 Solar Technology/Technician
- 15.0506 Water Quality and Wastewater Treatment Technology/Technician
- 15.0507 Environmental and Pollution Control Technology/Technician
- 15.0599 Environmental Control Technologies/Technicians, Other

15.06 Industrial Production Technologies

15.0603 Industrial/Manufacturing Technology/Technician
15.0607 Plastics Technology/Technician
15.0611 Metallurgical Technology/Technician
15.0699 Industrial Production Technologies/Technicians, Other

15.07 Quality Control and Safety Technologies

15.0701 Occupational Safety and Health Technology/Technician
15.0702 Quality Control Technology/Technician
15.0799 Quality Control and Safety Technologies/Technicians, Other

15.08 Mechanical Engineering-Related Technologies

15.0801 Aeronautical and Aerospace Engineering Technology/Technician
15.0803 Automotive Engineering Technology/Technician
15.0805 Mechanical Engineering/Mechanical Technology/Technician
15.0899 Mechanical Engineering-Related Technologies/Technicians, Other

15.11 Miscellaneous Engineering-Related Technologies

15.1101 Engineering-Related Technology/Technician, General
15.1103 Hydraulic Technology/Technician

15.99 Engineering-Related Technologies, Other

15.9999 Engineering-Related Technologies/Technicians, Other

41. SCIENCE TECHNOLOGIES

41.01 Biological Technology

41.0101 Biological Technology/Technician

41.02 Nuclear and Industrial Radiologic Technologies

41.0204 Industrial Radiologic Technology/Technician
41.0205 Nuclear/Nuclear Power Technology/Technician
41.0299 Nuclear and Industrial Radiologic Technologies/Technician, Other

41.03 Physical Science Technologies

41.0301 Chemical Technology/Technician
41.0399 Physical Science Technologies/Technician, Other

41.99 Science Technologies, Other

41.9999 Science Technologies/Technician, Other

47. MECHANICS AND REPAIRERS

47.01 Electrical and Electronics Equipment Installers and Repairers

47.0101 Electrical and Electronics Equipment Installer and Repairer, General
47.0102 Business Machine Repairer
47.0103 Communication Systems Installer and Repairer
47.0104 Computer Installer and Repairer
47.0105 Industrial Electronics Installer and Repairer
47.0199 Electrical and Electronics Equipment Installer and Repairer, Other

47.02 Heating, Air Conditioning and Refrigeration Mechanics and Repairers

47.0201 Heating, Air Conditioning and Refrigeration Mechanic and Repairer

47.03 Industrial Equipment Maintenance and Repairers
- 47.0302 Heavy Equipment Maintenance and Repairer
- 47.0303 Industrial Machinery Maintenance and Repairer
- 47.0399 Industrial Equipment Maintenance and Repairers, Other

47.04 Miscellaneous Mechanics and Repairers
- 47.0401 Instrument Calibration and Repairer

47.05 Stationary Energy Sources Installers and Operators
- 47.0501 Stationary Energy Sources Installer and Operator

47.06 Vehicle and Mobile Equipment Mechanics and Repairers
- 47.0609 Aviation Systems and Avionics Maintenance Technologist/Technician

47.99 Mechanics and Repairers, Other
- 47.9999 Mechanics and Repairers, Other

48. PRECISION PRODUCTION TRADES

48.01 Drafting
- 48.0101 Drafting, General
- 48.0104 Electrical/Electronics Drafting
- 48.0105 Mechanical Drafting
- 48.0199 Drafting, Other

48.02 Graphic and Printing Equipment Operators
- 48.0201 Graphic and Printing Equipment Operator, General
- 48.0211 Computer Typography and Composition Equipment Operator

48.05 Precision Metal Workers
- 48.0501 Machinist/Machine Technologist
- 48.0503 Machine Shop Assistant
- 48.0506 Sheet Metal Worker
- 48.0507 Tool and Die Maker/Technologist
- 48.0508 Welder/Welding Technologist
- 48.0599 Precision Metal Workers, Other

48.07 Woodworkers
- 48.0701 Woodworkers, General
- 48.0702 Furniture Designer and Maker
- 48.0703 Cabinet Maker and Millworker
- 48.0799 Woodworkers, Other

48.99 Precision Production Trades, Other

48.999 Precision Production Trades, Other

50. VISUAL AND PERFORMING ARTS

50.04 Design and Applied Arts
- 50.0402 Graphic Design, Commercial Art and Illustration
- 50.0404 Industrial Design
- 50.0406 Commercial Photography

51. HEALTH PROFESSIONS AND RELATED SCIENCES

51.02 Communication Disorders Sciences and Services

51.0203 Speech-Language Pathology Technician

51.0204 Speech-Language Pathology and Audiology Technician

51.06 Dental Services

51.0602 Dental Hygienist

51.0603 Dental Laboratory Technician

51.08 Health and Medical Assistants

51.0803 Occupational Therapy Assistant

51.0805 Pharmacy Technician/Assistant

51.0806 Physical Therapy Assistant

51.09 Health and Medical Diagnostic and Treatment Services

51.0901 Cardiovascular Technology/Technician

51.0902 Electrocardiograph Technology/Technician

51.0903 Electroencephalograph Technology/Technician

51.0905 Nuclear Medical Technology/Technician

51/0906 Perfusion Technology/Technician

51.0907 Medical Radiologic Technology/Technician

51.0908 Respiratory Therapy Technician

51.0909 Surgical/Operating Room Technician

51.0910 Diagnostic Medical Sonography

51.0999 Health and Medical Diagnostic and Treatment Services, Other

51.10 Health and Medical Laboratory Technologies/Technicians

51.1001 Blood Bank Technology/Technician

51.1002 Cytotechnologist

51.1003 Hematology Technology/Technician

51.1004 Medical Laboratory Technician

51.1005 Medical Technology

51.1006 Optometric/Ophthalmic Laboratory Technician

51.1099 Health and Medical Laboratory Technologies/Technicians, Other

52. BUSINESS MANAGEMENT AND ADMINISTRATIVE SERVICES

52.12 Business Information and Data Processing Services

52.1201 Management Information Systems and Business Data Processing

52.1202 Business Computer Programming/Programmer

52.1203 Business Systems Analysis and Design

52.1204 Business Systems Networking and Telecommunications

52.1205 Business Computer Facilities Operator

52.1299 Business Information and Data Processing Services, Other